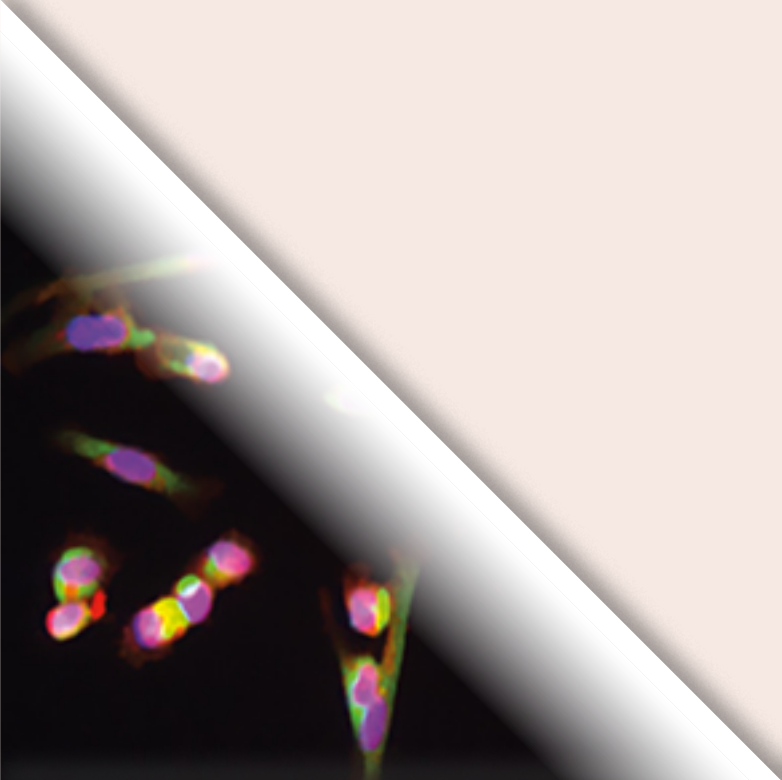
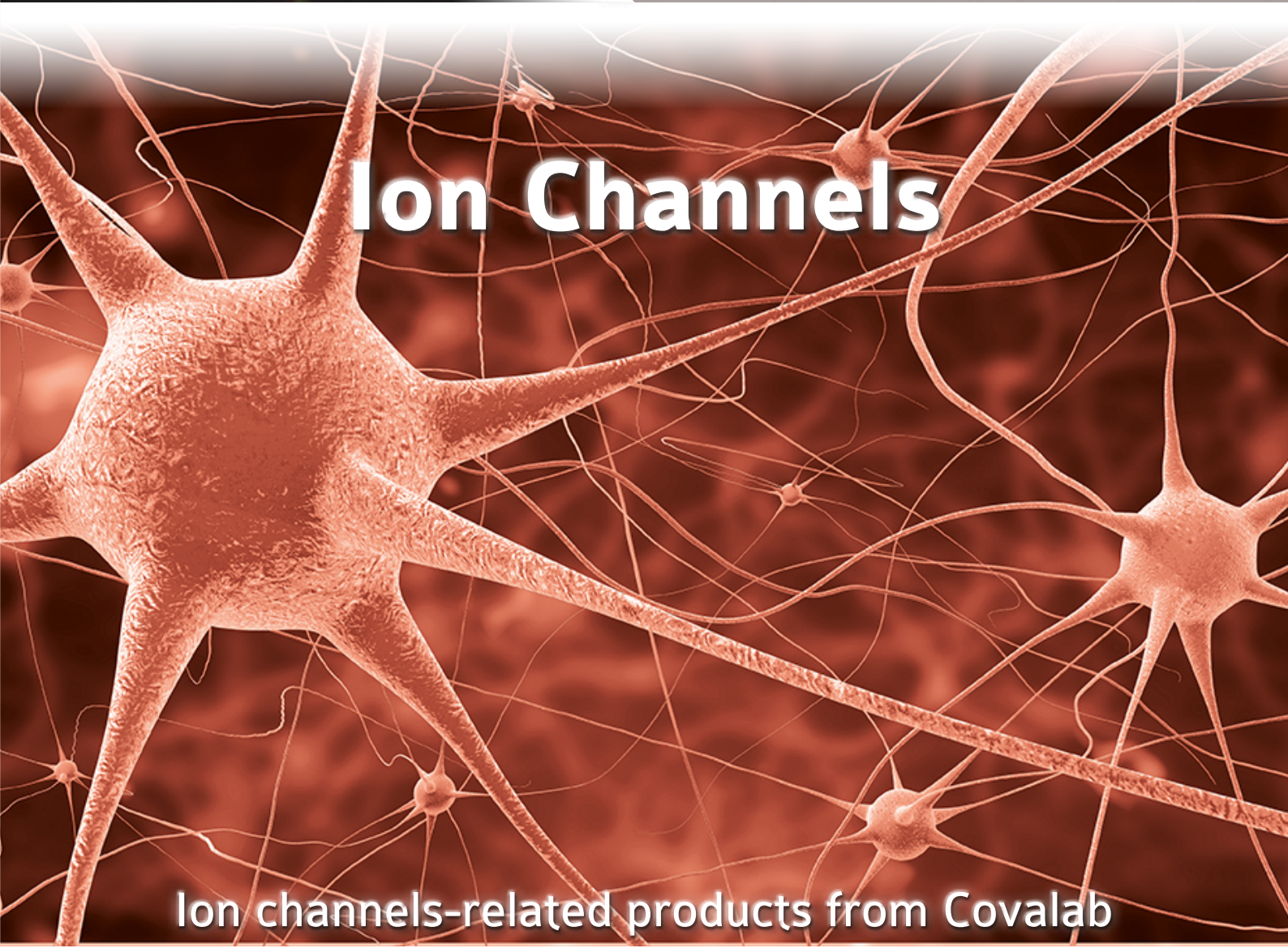


A diagonal white line separates the top section from the bottom. To the left of this line is a microscopic image of several cells with bright, multi-colored fluorescence (green, red, blue, yellow) against a dark background.

From Research to Discovery

The bottom half of the page features a large, detailed microscopic image of a neuron. The neuron has a large, star-shaped cell body (soma) with a textured surface and numerous long, thin dendrites and axons extending outwards. The entire image is rendered in a monochromatic reddish-orange color.

Ion Channels

Ion channels-related products from Covalab

Ion Channels

- Resting position -

The channel is closed and prevents ions from flowing through the membrane. Ions accumulate on one side and cause a potential difference between the inner and outer membrane layers.

- Inactivated position -

Changes of conformation trigger the folding of the N-terminal region of the channel which blocks the flow of ions.

- Opened position -

Upon polarization of the membrane, transmembrane segments of the channel change their conformation and let the ions diffuse through the membrane.

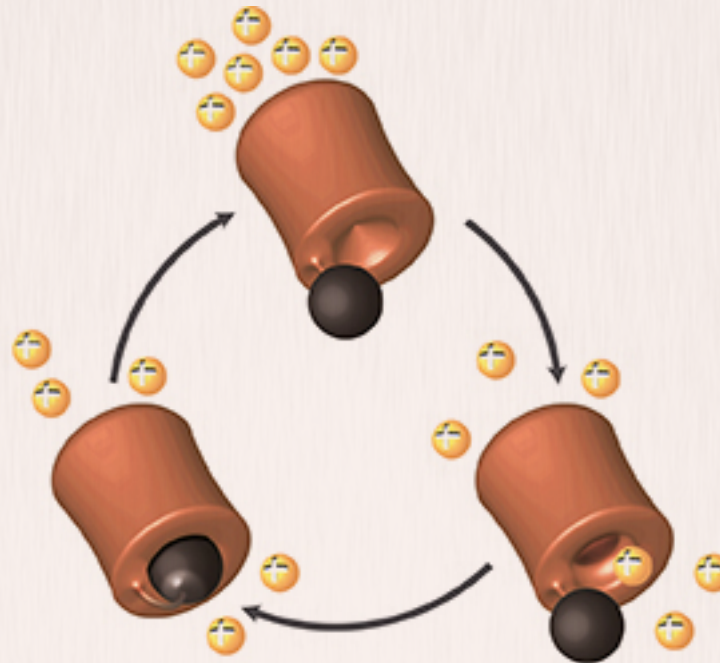


Figure 1: Voltage-gated channel activity cycle

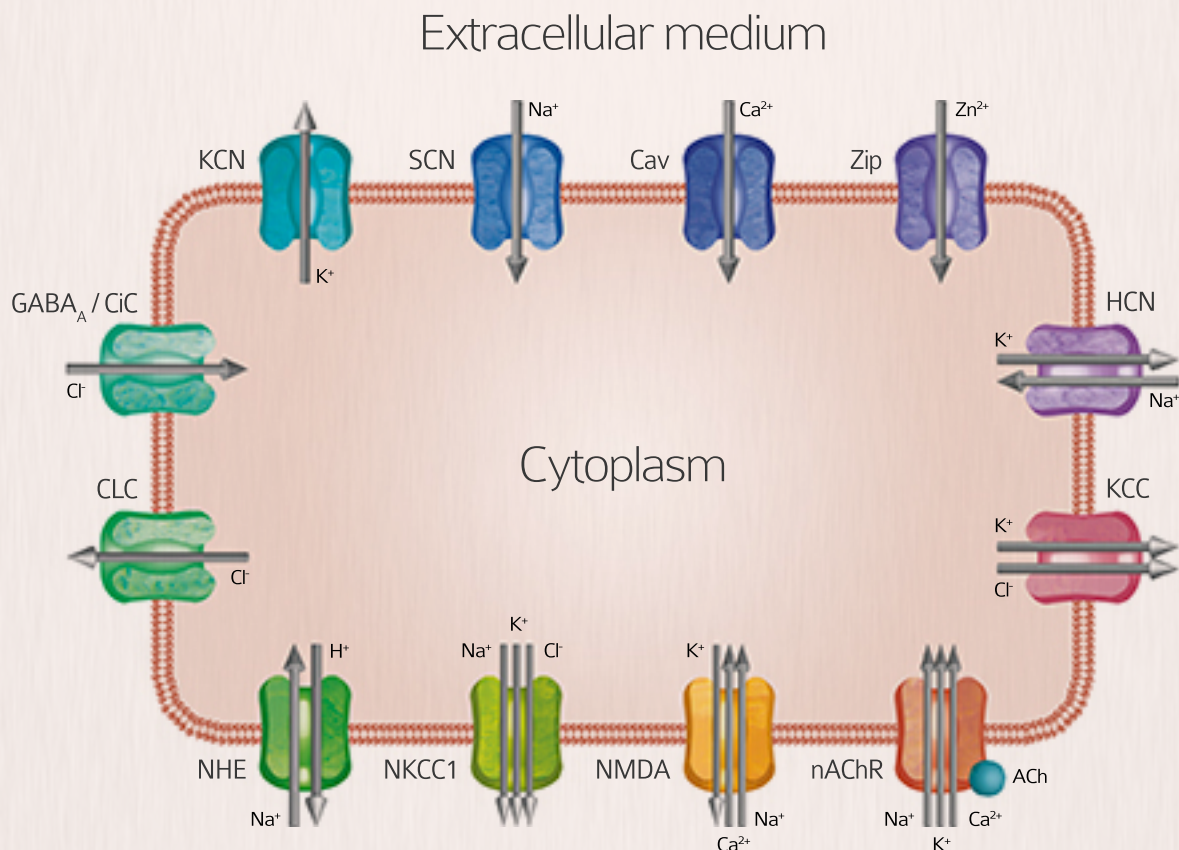


Figure 2: Main families of ion channels

Potassium channels

1

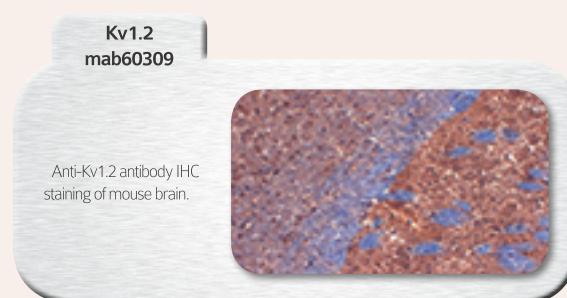
K⁺ voltage-gated channel subfamily A

Members of the subfamily A

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Kv1.1 (<i>clone S20-78</i>)	KCNA1	Mouse	Hu, Ms, Rat	ICC, IF, IHC, WB	mab60308
Kv1.1 (<i>clone S36-15</i>) (Extracellular domain)	KCNA1	Mouse	Ms, Rat	ICC, IF, IHC, WB	mab60307
Kv1.1	KCNA1	Rabbit	Hu, Ms, Rat	ELISA, ICC, IF, IHC, WB	pab0286
Kv1.1 (Internal)	KCNA1	Rabbit	Hu, Ms, Rat	ELISA, IHC - P, WB	pab74148
Kv1.2 (<i>clone S14-16</i>)	KCNA2	Mouse	Hu, Ms, Rat, Zfi, Xe	FC, ICC, IF, IHC, IP, WB	mab60309
Kv1.2	KCNA2	Rabbit	Hu	ELISA, IF, WB	pab0285
Kv1.2	KCNA2	Rabbit	Hu	ELISA, IF, WB	pab0285-P
Kv1.2	KCNA2	Rabbit	Hu, Ms, Rat, Ca ...	ICC, WB	pab52458
Kv1.2	KCNA2	Rabbit	Hu, Ms, Rat, Rab ...	B/N, IP, WB	pab52493
Kv1.3 (<i>clone S23-27</i>)	KCNA3	Mouse	Hu, Ms, Rat	ICC, IF, IHC, IP, WB	mab60310
Kv1.3	KCNA3	Rabbit	Hu	ELISA, IF, WB	pab0287
Kv1.3	KCNA3	Rabbit	Hu	ELISA, IF, WB	pab0287-P
Kv1.3	KCNA3	Rabbit	Hu, Ms, Rat, Rab ...	B/N, IP, WB	pab52495
Kv1.3 (Internal)	KCNA3	Rabbit	Hu	IHC - P	pab71568
Kv1.3 (C-terminus)	KCNA3	Rabbit	Hu	IHC - P	pab71567
Kv1.4 (<i>clone S13-31</i>)	KCNA4	Mouse	Hu, Ms, Rat	ICC, IF, IHC, IP, WB	mab60311
Kv1.4	KCNA4	Rabbit	Hu, Ms, Rat	ELISA, IF, WB	pab0284
Kv1.5 (<i>clone S7-45</i>)	KCNA5	Mouse	Hu, Ms, Rat	ICC, IHC, IP, WB	mab60312
Kv1.5	KCNA5	Rabbit	Hu	ELISA, IHC - P, WB	pab0288
Kv1.5	KCNA5	Rabbit	Hu	ELISA, IHC - P, WB	pab0288-P
Kv1.6 (<i>clone S19-35</i>)	KCNA6	Mouse	Hu, Ms, Rat	IF, IHC, IP, WB	mab60313
Kv1.6	KCNA6	Rabbit	Hu	ELISA, IF, WB	pab0289
Kv1.7	KCNA7	Rabbit	Hu	ELISA, IF, WB	pab0290
Kv1.7	KCNA7	Rabbit	Hu	ELISA, IF, WB	pab0290-P
Kv1.10	KCNA10	Rabbit	Hu, Ms, Rat	ELISA, IF, WB	pab0295
Kv1.10	KCNA10	Rabbit	Hu, Ms, Rat	ELISA, IF, WB	pab0295-P
All Kv1 channels	KV1	Rabbit	Hu, Ms, Rat, Bov ...	IP, WB	pab52451

Regulatory subunits

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Regulatory Beta Subunit 1 - Kvβ1.1 (<i>clone S9-40</i>)	KCNAB1	Mouse	Hu, Ms, Rat	IHC, IP, WB	mab60323
Regulatory Beta Subunit 1 - Kvβ1.1 (<i>clone S40-17</i>)	KCNAB1	Mouse	Hu, Ms, Rat	ICC, IHC - F, WB	mab60394
Regulatory Beta Subunit 1 - Kvβ1.2 (<i>clone S47-42</i>)	KCNAB1	Mouse	Hu, Ms, Rat	IF, IHC, IP, WB	mab60322
Regulatory Beta Subunit 2 - Kvβ2 (<i>clone S17-70</i>)	KCNAB2	Mouse	Hu, Ms, Rat, Zfi	ICC, IF, IHC, WB	mab60324



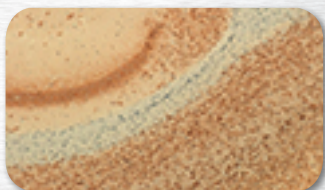
2

K⁺ voltage-gated channel subfamily B

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
<i>Kv2.1 (clone S4-11)</i>	KCNB1	Mouse	Hu, Ms, Rat, Mk	ICC, IF, IHC, WB	mab60315
<i>Kv2.1 (clone S39-25)</i>	KCNB1	Mouse	Hu, Ms, Rat	ICC, IF, IHC, WB	mab60314
<i>Kv2.1 (clone S89-34)</i>	KCNB1	Mouse	Hu, Ms, Rat	ICC, IF, IHC, IP, WB	mab60316
<i>Kv2.1</i>	KCNB1	Rabbit	Hu, Ms, Rat	ELISA, IF, WB	pab0324
<i>Kv2.2 (clone S37-89)</i>	KCNB2	Mouse	Hu, Ms, Rat	ICC, IF, IHC, IP, WB	mab60317

Kv2.1
mab60316

Anti-Kv2.1 antibody IHC staining of mouse brain hippocampus showing strong membrane staining of neurons while white matter appears to be negative.



Kv2.2
mab60317

Anti-Kv2.2 antibody IHC staining of adult rat hippocampus.



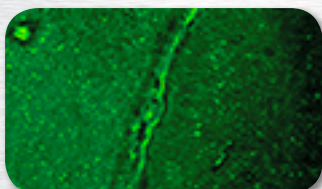
3

K⁺ voltage-gated channel subfamily C

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
<i>Kv3.1 (clone S16B-8)</i>	KCNC1	Mouse	Hu, Ms, Rat	ICC, IF, IHC, WB	mab60318
<i>Kv3.1</i>	KCNC1	Rabbit	Hu	ELISA, IF, WB	pab0325
<i>Kv3.1</i>	KCNC1	Rabbit	Hu	ELISA, IF, WB	pab0325-P
<i>Kv3.2</i>	KCNC2	Rabbit	Hu	ELISA, IF, WB	pab0326
<i>Kv3.2</i>	KCNC2	Rabbit	Hu	ELISA, IF, WB	pab0326-P
<i>Kv3.2</i>	KCNC2	Rabbit	Hu, Ms, Rat	ELISA, IHC - P, WB	pab73856
<i>Kv3.3</i>	KCNC3	Rabbit	Hu	ELISA, IF, WB	pab0327
<i>Kv3.4 (clone S72-16)</i>	KCNC4	Mouse	Hu, Ms, Rat	ICC, IF, IHC, IP, WB	mab60319
<i>Kv3.4</i>	KCNC4	Rabbit	Hu	ELISA, IF, WB	pab0328
<i>Kv3.4</i>	KCNC4	Rabbit	Hu	ELISA, IF, WB	pab0328-P

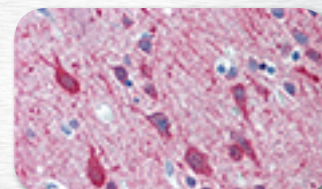
Kv3.1
mab60318

Anti-Kv3.1 antibody IF staining of human hippocampus.



Kv3.2
pab73856

Anti-Kv3.2 antibody IHC staining of human cortex.



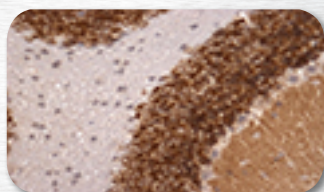
4

K⁺ voltage-gated channel subfamily D

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Kv4.2 (clone S57-1)	KCND2	Mouse	Ms, Rat	FC, ICC, IF, IHC, WB	mab60320
Kv4.2 (clone S57-1)	KCND2	Mouse	Hu, Ms, Rat	FC, ICC, IF, IHC - P, IP, WB	mab71532
Kv4.2	KCND2	Rabbit	Hu	ELISA, ICC, IF, WB	pab0330
Kv4.2	KCND2	Rabbit	Hu	ELISA, ICC, IF, WB	pab0330-P
Kv4.3 (clone S75-41)	KCND3	Mouse	Hu, Ms, Rat, Xe	FC, ICC, IF, IHC, IP, WB	mab60321
Kv4.3	KCND3	Rabbit	Hu	ELISA, IF, WB	pab0291
Kv4.3	KCND3	Rabbit	Hu	ELISA, IF, WB	pab0291-P

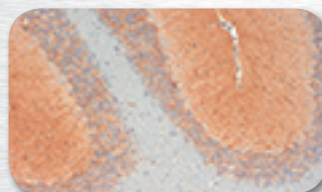
Kv4.2
mab60320

Anti-Kv4.2 antibody IHC staining of mouse hippocampus showing strong membrane staining of neurons and fibers of cerebellum.



Kv4.3
mab60321

Anti-Kv4.3 antibody IHC staining of mouse cerebellum tissue sections.

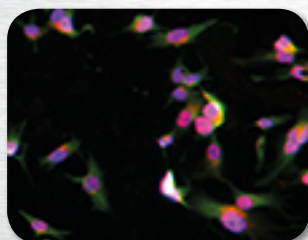


5

K⁺ voltage-gated channel subfamily E

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
K ⁺ voltage-gated channel subfamily E member 1	KCNE1	Rabbit	Hu	ELISA, ICC, WB	pab0292
K ⁺ voltage-gated channel subfamily E member 1	KCNE1	Rabbit	Hu	ELISA, ICC, WB	pab0292-P

KCNE1
pab0292



Anti-KCNE1 antibody ICC staining (green) of HepG2 cells. Plasma membrane are stained in red and nuclei in blue (DAPI).

NEW!



KCNE1
blocking peptide

Use the KCNE1 blocking peptide to reveal the specific staining of the anti-KCNE1 antibodies (Cat# pab0292 and pab0292-P).

SPECIES	APPLICATIONS	CAT #
Hu	ELISA, ICC, WB	pep0292

Custom peptide synthesis
<http://www.covalab.com/peptide-synthesis>



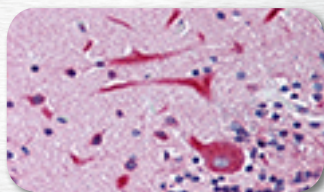
6

K⁺ voltage-gated channel subfamily H

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Kv11.1	KCNH2	Rabbit	Hu	ELISA, IF, WB	pab0421
Kv11.1	KCNH2	Rabbit	Hu	ELISA, IF, WB	pab0421-P
Kv11.1 (Internal)	KCNH2	Rabbit	Hu	IHC - P	pab71571
Kv11.1 (Internal)	KCNH2	Rabbit	Hu	IHC - P	pab71572

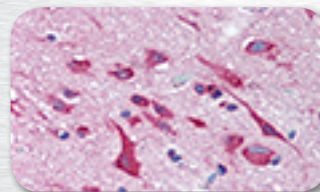
Kv11.1
pab71571

Anti-Kv11.1 antibody
IHC staining of human
cerebellum.



Kv11.1
pab71572

Anti-Kv11.1 antibody
IHC staining of human
cortex.



7

K⁺ voltage-gated channel subfamily KQT

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Kv7.1 (clone S37A-10)	KCNQ1	Mouse	Hu, Ms, Rat	FC, ICC, IF, IHC, IP, WB	mab60299
Kv7.1 (aa519-549)	KCNQ1	Rabbit	Hu, Ms	FC, IHC - P, WB	pab76313
Kv7.2 (clone S26A-23)	KCNQ2	Mouse	Hu, Ms, Rat	FC, ICC, IF, IHC, IP, WB	mab60300
Kv7.2	KCNQ2	Rabbit	Hu	ELISA, IF, WB	pab0331
Kv7.2	KCNQ2	Rabbit	Hu	ELISA, IF, WB	pab0331-P
Kv7.3	KCNQ3	Rabbit	Hu	ELISA, IHC, WB	pab0332
Kv7.4 (clone S43-6)	KCNQ4	Mouse	Hu, Ms, Rat	ICC, IF, IHC, IP, WB	mab60301
Kv7.4	KCNQ4	Rabbit	Hu	ELISA, ICC, IF, IHC, WB	pab0294
Kv7.4	KCNQ4	Rabbit	Hu	ELISA, ICC, IF, IHC, WB	pab0294-P
Kv7.5	KCNQ5	Rabbit	Hu	ELISA, IF, WB	pab0333

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Other K⁺ voltage-gated channels

Subfamilies K, T and U

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
K ⁺ channel subfamily K member 2 - K2p2.1	KCNK2	Rabbit	Hu, Ms, Bov	WB	pab50257
K ⁺ channel subfamily K member 15 - K2p15.1	KCNK15	Rabbit	Hu, Ms, Rat	ELISA, IF, WB	pab0793-P
K ⁺ channel subfamily T member 1 - Slo2 (clone S3-26)	KCNT1	Mouse	Ms, Rat	FC, ICC, IF, IHC, WB	mab60476
K ⁺ channel subfamily U member 1 - Slo3 (clone S2-16)	KCNU1	Mouse	Ms	ICC, IF, IHC, IP, WB	mab60477

9

Ca²⁺-activated K⁺ channel subunits

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
K(VCa) α (clone S6-60)	KCNMA1	Mouse	Hu, Ms, Rat, Zfi	FC, ICC, IF, IHC, IP, WB	mab60474
K(VCa) β -2 (clone S53-32)	KCNMB2	Mouse	Hu, Ms, Rat	ICC, IF, IHC, IP, WB	mab60045
K(VCa) β -3 (clone S40B-18)	KCNMB3	Mouse	Hu, Ms, Rat	ICC, IF, IHC, IP, WB	mab60046
K(VCa) β -4 (clone S18A-3)	KCNMB4	Mouse	Hu, Ms, Rat	ICC, IF, IHC, WB	mab60047

10

Inward rectifier K⁺ channels

G protein-activated channels

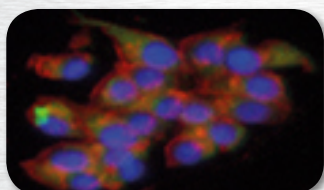
ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
GIRK-1 - Kir3.1	KCNJ3	Rabbit	Hu	ELISA, IF, WB	pab0322
GIRK-1 - Kir3.1	KCNJ3	Rabbit	Hu	ELISA, IF, WB	pab0322-P
GIRK-2 - Kir3.2	KCNJ6	Rabbit	Hu, Ms, Rat	ELISA, IF, WB	pab0321
GIRK-2 - Kir3.2	KCNJ6	Rabbit	Hu, Ms, Rat	ELISA, IF, WB	pab0321-P
GIRK-2 - Kir3.2 (N-terminus)	KCNJ6	Rabbit	Hu	IHC - P	pab71573
GIRK-2 - Kir3.2 (N-terminus)	KCNJ6	Rabbit	Hu	IHC - P	pab71574
GIRK-3 - Kir3.3 (Internal)	KCNJ9	Rabbit	Hu, Ms, Rat	ELISA, IHC - P, WB	pab74173
GIRK-4 - Kir3.4	KCNJ5	Rabbit	Hu, Ms, Rat	ELISA, IF, WB	pab0323

ATP-sensitive channels

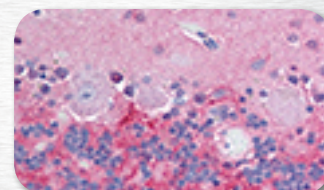
ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Kir2.2 (clone S124B/38)	KCNJ12	Mouse	Rat	ICC, IF, IHC, WB	mab60305
Kir6.2 (Internal)	KCNJ11	Goat	Hu	ELISA, IHC - P, WB	pab72704
Kir6.2 (Internal)	KCNJ11	Goat	Hu, Ms, Rat, Ca	ELISA, IHC - P, WB	pab72705
Kir6.2 (aa190-239)	KCNJ11	Rabbit	Hu, Ms	ELISA, IF, IHC - P, WB	pab74351

Other inward rectifier channels

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Kir2.1 (clone S112B/14)	KCNJ2	Mouse	Ms, Rat	ICC, IF, IHC, WB	mab60304
Kir2.1	KCNJ2	Rabbit	Hu, Ms, Rat	ELISA, ICC, IF, IHC, WB	pab0293
Kir2.1	KCNJ2	Rabbit	Hu, Ms, Rat	ELISA, ICC, IF, IHC, WB	pab0293-P
Kir2.1	KCNJ2	Chicken	Hu	ELISA, IHC, WB	pab0366-P
Kir2.3 (clone S25-35)	KCNJ4	Mouse	Hu, Ms, Rat	FC, ICC, IF, IHC, WB	mab60306
Kir5.1 (aa369-418)	KCNJ16	Rabbit	Ms, Hu	ELISA, IF, IHC - P, WB	pab76297
Kir7.1 (aa74-103)	KCNJ13	Rabbit	Hu	IHC - P, WB	pab76410

Kir2.1
pab0293

Anti-Kir2.1 antibody IF staining (green) of PC12 cells. Plasma membranes were counterstained in red and nuclei in blue (DAPI).

Kir3.2
pab71574

Anti-Kir3.2 antibody IHC staining of human cerebellum.

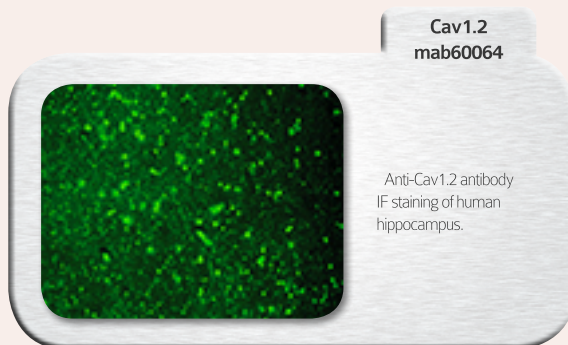
Calcium channels

1

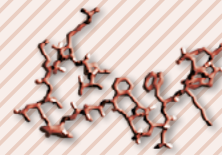
Voltage-dependent Ca²⁺ channels

L-type channels - Subunits alpha

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Cav1.1	CACNA1S	Rabbit	Hu	ELISA, IF, WB	pab0589
Cav1.2 (clone S57-46)	CACNA1C	Mouse	Hu, Ms, Rat	ICC, IF, IHC, IP, WB	mab60064
Cav1.2	CACNA1C	Rabbit	Hu, Ms, Rat	ELISA, IF, WB	pab0420-P
Cav1.2	CACNA1C	Rabbit	Hu, Ms, Rat	ELISA, IF, WB	pab0420
Cav1.2	CACNA1C	Rabbit	Hu, Ms, Rat, Rab	B/N, IP, WB	pab52502
Cav1.2 (pS1512)	CACNA1C	Rabbit	Hu, Ms, Rat, Rab	ELISA, WB	pab0901-P
Cav1.2 (pS1928)	CACNA1C	Rabbit	Hu, Ms, Rat, Rab	ELISA, WB, IP	pab0692
Cav1.3 (clone S38-8)	CACNA1D	Mouse	Hu, Ms, Rat	FC, ICC, IF, IHC, IP, WB	mab60065
Cav1.3 (clone S48A-9)	CACNA1D	Mouse	Hu, Ms, Rat	FC, ICC, IF, IHC, IP, WB	mab60066



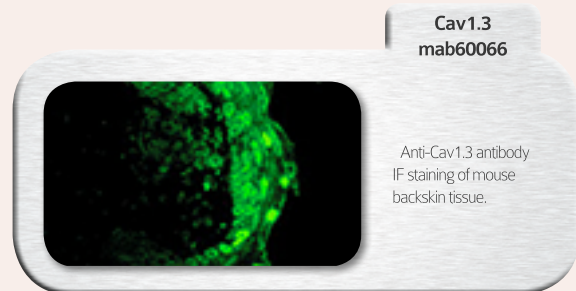
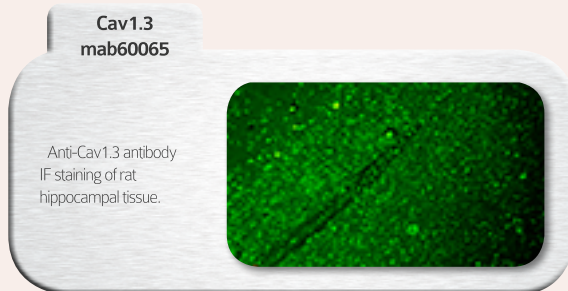
NEW!



Cav1.2 (pS1928)
blocking peptide

Use the Cav1.2 (pS1928) blocking peptide
to reveal the specific staining of the anti-
Cav1.2 (pS1928) antibody (Cat# pab0692).

SPECIES	APPLICATIONS	CAT #
Hu, Ms, Rat, Rab	ELISA, IP, WB	pep0692



L-type channels - Subunits beta

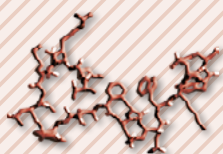
ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Cavβ1 (clone S7-18)	CACNB1	Mouse	Hu, Ms, Rat	ICC, IF, IHC, WB	mab60069
Cavβ2 (clone S8b-1)	CACNB2	Mouse	Hu, Ms, Rat	ICC, IF, IHC, WB	mab60070
Cavβ3	CACNB3	Rabbit	Hu	ELISA, IF, WB	pab0269-P
Cavβ3	CACNB3	Rabbit	Hu	ELISA, IF, WB	pab0269
Cavβ4 (clone S10-7)	CACNB4	Mouse	Hu, Ms, Rat	ICC, IF, IHC, WB	mab60071

N-type channels - Subunits alpha

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Cav2.2	CACNA1B	Rabbit	Hu	ELISA, IF, WB	pab0296-P
Cav2.2	CACNA1B	Rabbit	Hu	ELISA, IF, WB	pab0296

T-type channels - Subunits alpha

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Cav3.1 (clone S178A-9)	CACNA1G	Mouse	Hu, Ms, Rat	IHC, WB	mab60067
Cav3.2 (clone S55-10)	CACNA1H	Mouse	Hu, Ms, Rat	ICC, IF, IHC, WB	mab60068
Cav3.2	CACNA1H	Rabbit	Hu, Ms, Rat	ELISA, IF, WB	pab0781-P

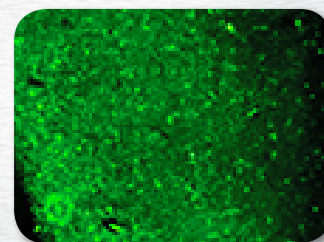
NEW!**Cav3.2
blocking peptide**

Use the Cav3.2 blocking peptide to reveal the specific staining of the anti-Cav3.2 antibody (Cat# pab0781-P).

SPECIES	APPLICATIONS	CAT #
Hu, Ms, Rat	ELISA, IF, WB	pep0781

**Cav3.2
mab60068**

Anti-Cav3.2 antibody
IF staining of human
hippocampus.



Subunits alpha/delta

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Voltage-dependent Ca ²⁺ channel subunit alpha-2/delta-1	CACNA2D1	Rabbit	Hu, Ms, Rat	ELISA, IHC, WB	pab0268
Voltage-dependent Ca ²⁺ channel subunit alpha-2/delta-1	CACNA2D1	Rabbit	Hu, Ms, Rat	ELISA, IHC, WB	pab0268-P

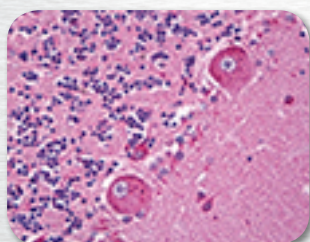
2**Transient receptor potential cation channels**

Subfamily A

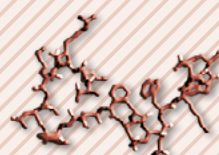
ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
TRPA1	TRPA1	Rabbit	Hu, Ms	ICC, IF, IHC, WB	pab50243

Subfamily C

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
TRPC1	TRPC1	Rabbit	Hu	ELISA, IF, WB	pab0362
TRPC1	TRPC1	Rabbit	Hu	ELISA, IF, WB	pab0362-P
TRPC4 (clone S77-15)	TRPC4	Mouse	Hu, Ms, Rat	FC, ICC, IF, IHC, WB	mab60525
TRPC5 (clone S67-15)	TRPC5	Mouse	Hu, Ms, Rat	ICC, IF, IHC, WB	mab60526
TRPC7 (clone S64A-36)	TRPC7	Mouse	Hu, Ms, Rat	ICC, IF, IHC, IP, WB	mab60527

**TRPC5
mab60526**

Anti-TRPC5 antibody
IHC staining of human
cerebellum.

NEW!**TRPC1
blocking peptide**

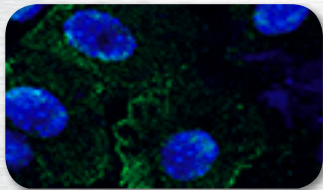
Use the TRPC1 blocking peptide to reveal the specific staining of the anti-TRPC1 antibodies (Cat# pab0362 and pab0362-P).

SPECIES	APPLICATIONS	CAT #
Hu	ELISA, IF, WB	pep0362

Subfamily M

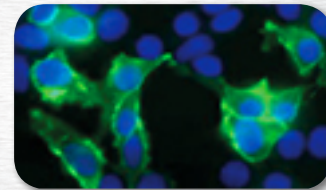
ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
TRPM3	TRPM3	Rabbit	Hu, Ms, Rat	ELISA, IF, WB	pab0626
TRPM3	TRPM3	Rabbit	Hu, Ms, Rat	ELISA, IF, WB	pab0626-P
TRPM4	TRPM4	Rabbit	Ms, Rat	ELISA, ICC, WB	pab0563
TRPM7 (clone S74-25)	TRPM7	Mouse	Hu, Ms, Rat	ICC, IF, IHC, WB	mab60528
TRPM7	TRPM7	Rabbit	Ms	ELISA, ICC, WB	pab0564
TRPM8	TRPM8	Rabbit	Hu, Ms	ELISA, ICC, WB	pab0613
TRPM8	TRPM8	Rabbit	Hu, Ms	ELISA, ICC, WB	pab0613-P

TRPM7
mab60528



Anti-TRPM7 antibody ICC staining (green) of cultured mouse urothelial cells. Nuclei were counterstained with DAPI (blue).

TRPV3
mab60529



Anti-TRPV3 antibody ICC staining (green) of transfected HEK293 cells. Nuclei were counterstained with DAPI (blue).

Subfamily V

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
TRPV3 (clone S15-4)	TRPV3	Mouse	Hu, Ms, Rat	ICC, IF, IHC, WB	mab60530
TRPV3 (clone S15-39)	TRPV3	Mouse	Hu, Ms, Rat	FC, ICC, IF, IHC, IP, WB	mab60529
TRPV3	TRPV3	Rabbit	Hu	ELISA, ICC, WB	pab0497
TRPV3	TRPV3	Rabbit	Hu	ELISA, ICC, WB	pab0497-P

3

Two pore channels

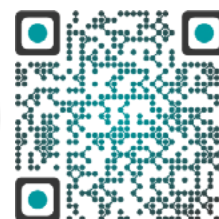
ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Two pore Ca ²⁺ channel protein 2	TPCN2	Rabbit	Zfi	ELISA, WB	pab0908-P
Two pore Ca ²⁺ channel protein 3	TPC3	Rabbit	Zfi	ELISA, WB	pab0868-P

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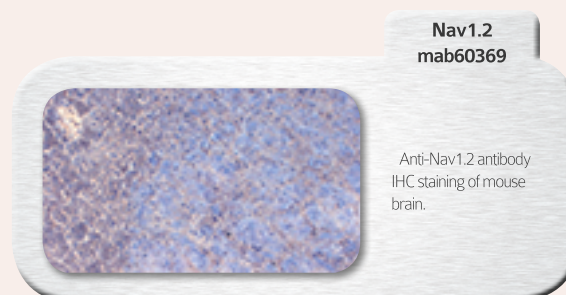


Sodium channels

Sodium channel proteins

Type 1 - Subunit alpha

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Nav1.1 (clone S74-71)	SCN1A	Mouse	Hu, Ms, Rat	ICC, IF, IHC, WB	mab60368
Nav1.1	SCN1A	Rabbit	Hu	ELISA, IHC, WB	pab0276
Nav1.1	SCN1A	Rabbit	Hu, Ms, Rat	ELISA, IHC, WB	pab0276-P



Type 2 - Subunit alpha

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Nav1.2 (clone S69-3)	SCN2A	Mouse	Hu, Ms, Rat	ICC, IF, IHC, IP, WB	mab60369
Nav1.2	SCN2A	Rabbit	Hu	ELISA, ICC, IF, WB	pab0278

Type 3 - Subunit alpha

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Nav1.3	SCN3A	Rabbit	Hu	ELISA, IF, WB	pab0279
Nav1.3	SCN3A	Rabbit	Hu	ELISA, IF, WB	pab0279-P

Type 4 - Subunit alpha

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Nav1.4	SCN4A	Rabbit	Hu, Ms, Rat	ELISA, IHC, WB	pab0280

Type 5 - Subunit alpha

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Nav1.5	SCN5A	Rabbit	Hu	ELISA, IF, WB	pab0281
Nav1.5	SCN5A	Rabbit	Hu	ELISA, IF, WB	pab0281-P

Type 7 - Subunit alpha

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Nax	SCN7A	Rabbit	Hu, Ms, Rat	ELISA, ICC, IF, IHC, WB	pab0315
Nax	SCN7A	Rabbit	Hu, Ms, Rat	ELISA, ICC, IF, IHC, WB	pab0315-P

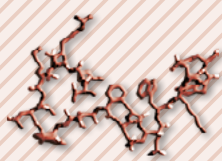
Type 8 - Subunit alpha

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Nav1.6 (clone S87A-10)	SCN8A	Mouse	Hu, Ms, Rat	IHC	mab60367
Nav1.6	SCN8A	Rabbit	Hu	ELISA, IF, WB	pab0282
Nav1.6	SCN8A	Rabbit	Hu	ELISA, IF, WB	pab0282-P

Type 9 - Subunit alpha

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Nav1.7	SCN9A	Rabbit	Hu, Ms, Rat	ELISA, IF, WB	pab0283
Nav1.7	SCN9A	Rabbit	Hu, Ms, Rat	ELISA, IF, WB	pab0283-P

NEW!



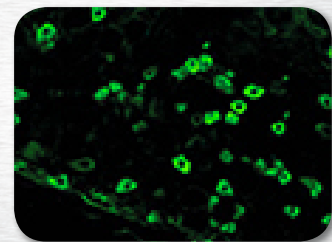
Nav1.7 blocking peptide

Use the Nav1.7 blocking peptide to reveal the specific staining of the anti-Nav1.7 antibodies (Cat# pab0283 and pab0283-P).

SPECIES	APPLICATIONS	CAT #
Hu, Ms, Rat	ELISA, IHC, WB	pep0283

Nav1.8 mab60370

Anti-Nav1.8 antibody IF staining of rat dorsal root ganglia cryosections.



Type 10 - Subunit alpha

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Nav1.8 (clone S134-12)	SCN10A	Mouse	Hu, Ms, Rat	FC, ICC, IF, IHC, WB	mab60370
Nav1.8	SCN10A	Rabbit	Hu	ELISA, FC, IF, WB	pab0336
Nav1.8	SCN10A	Rabbit	Hu	ELISA, FC, IF, WB	pab0336-P

Type 11 - Subunit alpha

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Nav1.9	SCN11A	Rabbit	Hu	ELISA, IF, WB	pab0277



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ANTIBODY**

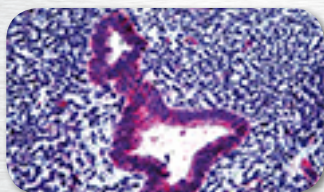
Chloride channels

1

Cl⁻ channel proteins

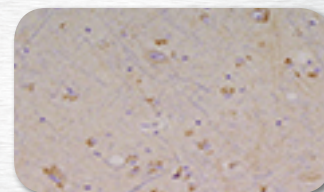
ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Cl ⁻ channel protein 2 (aa738-751)	CLCN2	Goat	Hu, Ms, Rat	IHC - P	pab73577
Cl ⁻ channel protein 3 (clone S258-5)	CLCN3	Mouse	Hu, Ms, Rat	IHC, WB	mab60095
Cl ⁻ channel protein CLC-Kb	CLCNKB	Rabbit	Ms	ELISA, IHC, WB	pab0307

CLCN2
pab73577



Anti-Cl⁻ channel protein 2 antibody IHC staining of human uterus.

CLCN3
mab60095

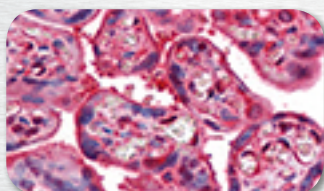


Anti-Cl⁻ channel protein 3 antibody IHC staining of human hippocampus.

2

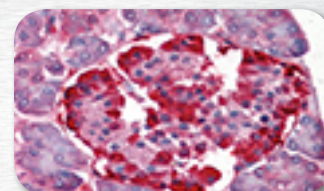
Cl⁻ intracellular channel proteins

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
CLIC1 (clone 2D4)	CLIC1	Mouse	Hu	ELISA, IHC - P, WB	mab70593
CLIC1 (clone 3F9)	CLIC1	Mouse	Hu	ELISA, IHC - P, WB	mab70594
CLIC1	CLIC1	Rabbit	Hu	ELISA, ICC, WB	pab0342
CLIC4 (N-terminus)	CLIC4	Goat	Hu, Ms, Rat, Ca	ELISA, IF, IHC - P, WB	pab72371
CLIC4 (N-terminus)	CLIC4	Rabbit	Hu, Ms, Rat	ELISA, IHC - P, WB	pab74379
CLIC5 (clone 1E6)	CLIC5	Mouse	Hu	ELISA, IHC - P, WB	mab71069
CLIC5a (clone CLIC5-02)	CLIC5a	Mouse	Hu	FC, WB	mab20436
CLIC5a (clone CLIC5-02) [PE]	CLIC5a	Mouse	Hu	FC, WB	mab21112



Anti-CLIC1 antibody IHC staining of human placenta.

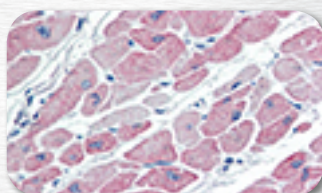
CLIC1
mab70593



Anti-CLIC1 antibody IHC staining of human pancreas.

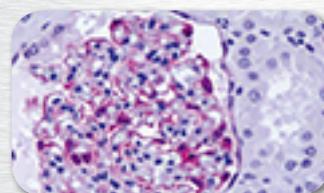
CLIC1
mab70594

CLIC4
pab72371



Anti-CLIC4 antibody IHC staining of human heart.

CLIC5
mab71069

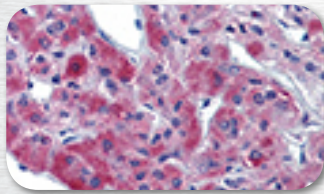


Anti-CLIC5 antibody IHC staining human kidney glomeruli.

Zinc channels

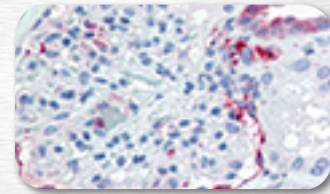
ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Zn ²⁺ transporter ZIP3 (Internal)	SLC39A3	Rabbit	Hu, Ms	ELISA, IHC - P, WB	pab73248
Zn ²⁺ transporter ZIP6 (N-terminus)	SLC39A6	Rabbit	Hu, Ms, Rat	IHC - P	pab73252
Zn ²⁺ transporter ZIP6 (Internal)	SLC39A6	Rabbit	Hu	IHC - P	pab73250
Zn ²⁺ transporter ZIP6 (Internal)	SLC39A6	Rabbit	Hu	IHC - P	pab73251
Zn ²⁺ transporter ZIP7 (N-terminus)	SLC39A7	Rabbit	Hu	ELISA, IHC - P, WB	pab73253
Zn ²⁺ transporter ZIP10 (Internal)	SLC39A10	Rabbit	Hu, Ms, Rat	ELISA, IHC - P, WB	pab73240
Zn ²⁺ transporter ZIP10 (Internal)	SLC39A10	Rabbit	Hu, Ms, Rat	ELISA, IHC - P, WB	pab73241
Zn ²⁺ transporter ZIP11 (Internal)	SLC39A11	Rabbit	Hu	ELISA, IHC - P, WB	pab73242
Zn ²⁺ transporter ZIP14 (Internal)	SLC39A14	Rabbit	Hu	IHC - P	pab73244
Zn ²⁺ transporter ZIP14 (Internal)	SLC39A14	Rabbit	Hu	IHC - P	pab73245
Zn ²⁺ transporter ZIP14 (Internal)	SLC39A14	Rabbit	Hu	IHC - P	pab73246
Zn ²⁺ transporter ZIP14 (Internal)	SLC39A14	Rabbit	Hu, Ms	IHC - P, WB	pab73247
Zn ²⁺ transporter ZIP14 (Cytoplasmic domain)	SLC39A14	Rabbit	Hu	IHC - P	pab73243

ZIP11
pab73242



Anti-Zn²⁺ transporter
ZIP11 antibody IHC
staining of human
adrenal.

ZIP14
pab73245

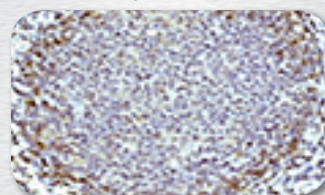


Anti-Zn²⁺ transporter
ZIP14 antibody IHC
staining of human kidney.

Hydrogen channels

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Voltage-gated hydrogen channel 1	HVCN1	Rabbit	Hu	ELISA, ICC, IHC, WB	pab0493

HVCN1
pab0493



Anti-HVCN1 antibody IHC staining of
mouse tonsil section.

Multi-ion channels

1

K⁺ / Na⁺ HCN channels

Hyperpolarization-activated cyclic nucleotide-gated channel 1

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
HCN1 (<i>clone S70-28</i>)	HCN1	Mouse	Hu, Ms, Rat	FC, ICC, IF, IHC, IP, WB	mab60206
HCN1	HCN1	Rabbit	Hu	ELISA, IF, WB	pab0317
HCN1	HCN1	Rabbit	Hu	ELISA, IF, WB	pab0317-P

Hyperpolarization-activated cyclic nucleotide-gated channel 2

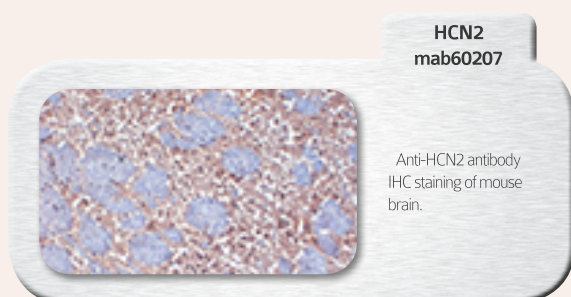
ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
HCN2 (<i>clone S71-37</i>)	HCN2	Mouse	Ms, Rat	ICC, IF, IHC, IP, WB	mab60207
HCN2	HCN2	Rabbit	Hu	ELISA, IF, WB	pab0318
HCN2	HCN2	Rabbit	Hu	ELISA, IF, WB	pab0318-P

Hyperpolarization-activated cyclic nucleotide-gated channel 3

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
HCN3 (<i>clone S141-28</i>)	HCN3	Mouse	Ms, Rat	ICC, IF, IHC, WB	mab60208
HCN3	HCN3	Rabbit	Hu	ELISA, IF, WB	pab0319
HCN3	HCN3	Rabbit	Hu	ELISA, IF, WB	pab0319-P

Hyperpolarization-activated cyclic nucleotide-gated channel 4

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
HCN4 (<i>clone S114-10</i>)	HCN4	Mouse	Hu, Ms, Rat	FC, ICC, IF, IHC, IP, WB	mab60209
HCN4	HCN4	Rabbit	Hu	ELISA, ICC, IF, IHC, WB	pab0320
HCN4	HCN4	Rabbit	Hu	ELISA, ICC, IF, IHC, WB	pab0320-P



2

K⁺ / Cl⁻ cotransporter

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
K ⁺ / Cl ⁻ cotransporter 2 (<i>clone S1-12</i>)	KCC2	Mouse	Hu, Ms, Rat	IHC, WB	mab60295

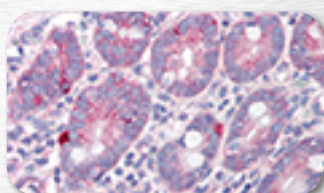
3

Na⁺ / H⁺ exchanger

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Na ⁺ / H ⁺ exchanger 1 (C-Terminus)	SLC9A1	Rabbit	Hu, Ms, Rat	ELISA, IHC - P, WB	pab73287
Na ⁺ / H ⁺ exchanger 1	SLC9A1	Rabbit	Hu	FC, ICC, IHC - P, WB	pab77695

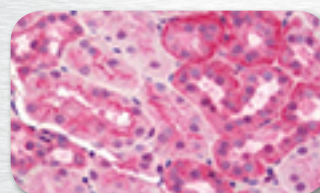
Na⁺/H⁺ exch. 1
pab73287

Anti-Na⁺/H⁺ exchanger 1
antibody IHC staining of
human small intestine.



Na⁺/H⁺ exch. 1
pab77695

Anti-Na⁺/H⁺ exchanger 1
antibody IHC staining of
human kidney.



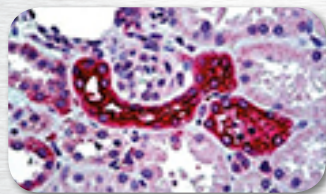
4

Na⁺ / K⁺ / Cl⁻ symporters

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Kidney-specific Na ⁺ / K ⁺ / Cl ⁻ symporter (aa43-57)	SLC12A1	Goat	Hu	IHC - P	pab73567
Basolateral Na ⁺ / K ⁺ / Cl ⁻ symporter (clone 5H7)	SLC12A2	Mouse	Hu	ELISA, IHC - P, WB	mab71089
Basolateral Na ⁺ / K ⁺ / Cl ⁻ symporter (Internal)	SLC12A2	Goat	Hu, Ms, Rat, Bov, Ca	ELISA, IHC - P	pab73838

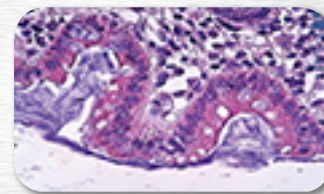
SLC12A1
pab73567

Anti-SLC12A1 antibody
IHC staining of human
kidney.



SLC12A2
pab73838

Anti-SLC12A2 antibody
IHC staining of human
colon epithelium.



Antibodies



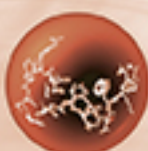
Kits



Reagents



Proteins



Peptides



Chemicals

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Ion-dependent macromolecules transporters

1

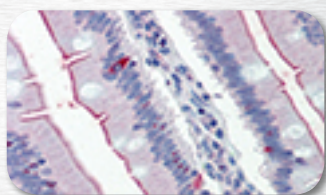
Na⁺ / Macromolecule cotransporters

Na⁺ / glucose cotransporters

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Na ⁺ / glucose cotransporter 1	SLC5A1	Rabbit	Hu	IHC - P, WB	pab75209
Na ⁺ / glucose cotransporter 1 (N-terminus)	SLC5A1	Rabbit	Hu	IHC - P	pab73261
Na ⁺ / glucose cotransporter 1 (Internal)	SLC5A1	Rabbit	Hu	IHC - P	pab73259
Na ⁺ / glucose cotransporter 1 (Internal)	SLC5A1	Rabbit	Hu	IHC - P	pab73260
Na ⁺ / glucose cotransporter 2 (C-terminus)	SLC5A2	Rabbit	Hu	IHC - P	pab73265
Na ⁺ / glucose cotransporter 4 (Internal)	SLC5A9	Rabbit	Hu	IHC - P	pab73278
Na ⁺ / glucose cotransporter 4 (C-terminus)	SLC5A9	Rabbit	Hu	IHC - P	pab73275
Na ⁺ / glucose cotransporter 4 (C-terminus)	SLC5A9	Rabbit	Hu	IHC - P	pab73276
Na ⁺ / glucose cotransporter 4 (Cytoplasmic domain)	SLC5A9	Rabbit	Hu	IHC - P	pab73277
Na ⁺ / glucose cotransporter 5 (Cytoplasmic domain)	SLC5A10	Rabbit	Hu	IHC - P	pab73262
Low affinity Na ⁺ / glucose cotransporter (C-terminus)	SLC5A4	Rabbit	Hu	IHC - P	pab73270

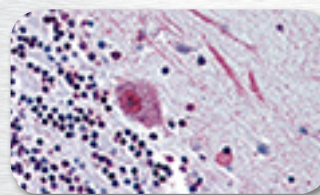
SLC5A1
pab73260

Anti-SLC5A1 antibody
IHC staining of human
small intestine.



SLC5A9
pab73278

Anti-SLC5A9 antibody
IHC staining of human
cerebellum.

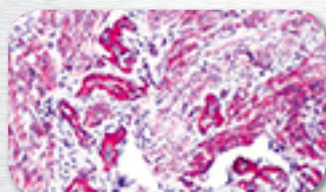


Na⁺ / myo-inositol cotransporters

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Na ⁺ / myo-inositol cotransporter (Internal)	SLC5A3	Rabbit	Hu	IHC - P	pab73268
Na ⁺ / myo-inositol cotransporter (Internal)	SLC5A3	Rabbit	Hu	IHC - P	pab73269
Na ⁺ / myo-inositol cotransporter (Internal)	SLC5A3	Rabbit	Hu, Ms, Rat	ELISA, IHC - P, WB	pab73364
Na ⁺ / myo-inositol cotransporter (C-Terminus)	SLC5A3	Rabbit	Hu	IHC - P	pab73266
Na ⁺ / myo-inositol cotransporter (C-Terminus)	SLC5A3	Rabbit	Hu	IHC - P	pab73267
Na ⁺ / myo-inositol cotransporter 2 (Internal)	SLC5A11	Rabbit	Hu	IHC - P	pab73264
Na ⁺ / myo-inositol cotransporter 2 (Extracellular Domain)	SLC5A11	Rabbit	Hu	IHC - P	pab73263

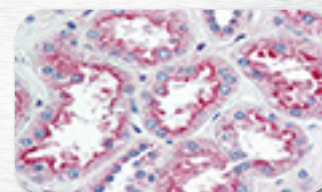
SLC5A3
pab73364

Anti-SLC5A3 antibody
IHC staining of human
uterus.



SLC5A11
pab73264

Anti-SLC5A11 antibody
IHC staining of human
kidney.



Other Na⁺ / macromolecule cotransporters

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Ileal Na ⁺ / bile acid cotransporter (C-Terminus)	SLC10A2	Goat	Hu	ELISA, IHC - P	pab74208
Na ⁺ / citrate cotransporter (clone 2G4)	SLC13A5	Mouse	Hu	ELISA, IHC - P, WB	mab70991

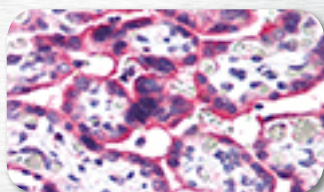
2

Na⁺ / Cl⁻-dependent macromolecule transporters

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Na ⁺ -dependent multivitamin transporter (N-Terminus)	SLC5A6	Rabbit	Hu	IHC - P	pab73274
Na ⁺ -dependent multivitamin transporter (Internal)	SLC5A6	Rabbit	Hu	IHC - P	pab73271
Na ⁺ -dependent multivitamin transporter (Internal)	SLC5A6	Rabbit	Hu	IHC - P	pab73272
Na ⁺ -dependent multivitamin transporter (Internal)	SLC5A6	Rabbit	Hu	IHC - P	pab73273
Na ⁺ - and Cl ⁻ -dependent betaine transporter (C-Terminus)	SLC6A12	Goat	Hu, Mk	ELISA, IHC - P, WB	pab76462
Na ⁺ - and Cl ⁻ -dependent GABA transporter 1 (aa372-421)	SLC6A1	Rabbit	Hu, Ms, Rat	ELISA, IHC - P, WB	pab77558
Na ⁺ - and Cl ⁻ -dependent taurine transporter (C-Terminus)	SLC6A6	Rabbit	Hu, Ms, Rat	ELISA, IHC - P	pab73786

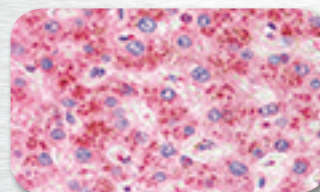
SLC5A6
pab73273

Anti-SLC5A6 antibody
IHC staining of human
placenta.



SLC6A12
pab76462

Anti-SLC6A12 antibody
IHC staining of human
liver.



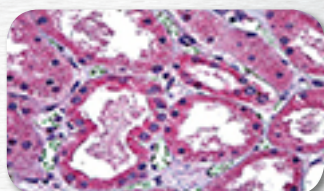
3

Other macromolecule transporters

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Anion exchange transporter (<i>clone 14H5</i>)	SLC26A7	Mouse	Ms	IF, WB	mab50098
Natural resistance-associated macrophage protein 1 (aa256-285)	SLC11A1	Rabbit	Hu	IF, IHC - P, WB	pab76792
Natural resistance-associated macrophage protein 2 (<i>clone 4C6</i>)	SLC11A2	Mouse	Hu	ELISA, IHC - P, WB	mab70885
Organic anion transporter 1 (aa520-549)	SLC22A6	Rabbit	Hu	FC, IHC - P, WB	pab76965
Organic cation transporter 3 (aa275-324)	SLC22A3	Rabbit	Hu	ELISA, IHC - P, WB	pab76126
Organic cation/carnitine transporter 1 (aa514-542)	SLC22A4	Rabbit	Hu	IHC - P, WB	pab76521
Organic cation/carnitine transporter 2 (aa282-331)	SLC22A5	Rabbit	Hu	ELISA, IHC - P, WB	pab77283
Organic cation/carnitine transporter 6 (aa101-150)	SLC22A16	Rabbit	Hu	IHC - P, WB	pab77298

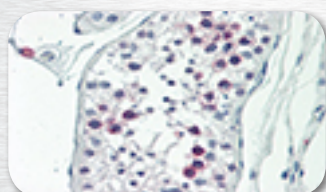
Anti-SLC11A2 antibody
IHC staining of human
kidney.

SLC11A2
mab70885

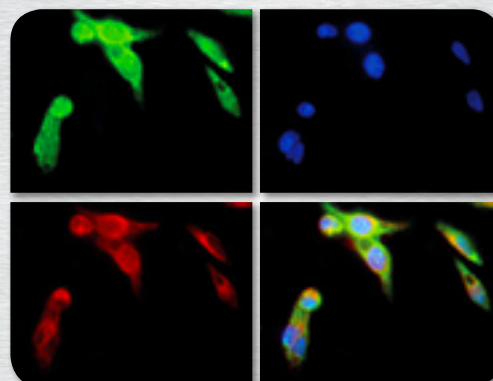


SLC22A16
pab77298

Anti-SLC22A16
antibody IHC staining of
human testis.



SLC26A7
mab50098



Anti-SLC26A7 antibody IF staining (green) of HepG2 cells.
Nuclei were counterstained with DAPI (blue) and alpha-
tubulin with Dylight 550 (red).

Ligand-gated ion channels

Acetylcholine receptor protein subunits

Subunits alpha

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Acetylcholine receptor protein subunit α precursor	CHRNA1	Rabbit	Hu, Ms, Rat	ELISA, IF, WB	pab0264
Acetylcholine receptor protein subunit α precursor	CHRNA1	Rabbit	Hu, Ms, Rat	ELISA, IF, WB	pab0264-P
Neuronal acetylcholine receptor subunit α -3	CHRNA3	Rabbit	Hu	ELISA, IHC, WB	pab0266
Neuronal acetylcholine receptor subunit α -5	CHRNA5	Goat	Hu	ELISA, IHC - P, WB	pab75645
Neuronal acetylcholine receptor subunit α -6	CHRNA6	Rabbit	Hu, Ms	ELISA, IF, WB	pab0262
Neuronal acetylcholine receptor subunit α -6	CHRNA6	Goat	Hu, Bov, Ca	IHC - P	pab73883
Neuronal acetylcholine receptor subunit α -7	CHRNA7	Goat	Hu, Bov, Ca, Ms, Rat	ELISA, IHC - P	pab72821
Neuronal acetylcholine receptor subunit α -9	CHRNA9	Rabbit	Hu	FC, IHC - P, WB	pab77715
Neuronal acetylcholine receptor subunit α -10	CHRNA10	Rabbit	Hu, Ms, Rat	ELISA, IHC - P, WB	pab76907
Neuronal acetylcholine receptor subunit α -10	CHRNA10	Rabbit	Hu	IHC - P, WB	pab77713



NEW!

CHRNA1
blocking peptide

Use the CHRNA1 blocking peptide to reveal the specific staining of the anti-CHRNA1 antibodies (Cat# pab0264 and pab0264-P).

SPECIES	APPLICATIONS	CAT #
Hu, Ms, Rat	ELISA, IHC, WB	pep0264

Subunits beta

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Acetylcholine receptor protein subunit beta precursor	CHRNB1	Rabbit	Hu, Ms, Rat	ELISA, ICC, WB	pab0298
Acetylcholine receptor protein subunit beta precursor	CHRNB1	Rabbit	Hu, Ms, Rat	ELISA, ICC, WB	pab0298-P
Neuronal acetylcholine receptor subunit beta-2	CHRNB2	Rabbit	Hu	ELISA, IF, WB	pab0263
Neuronal acetylcholine receptor subunit beta-2	CHRNB2	Rabbit	Hu	ELISA, IF, WB	pab0263-P
Neuronal acetylcholine receptor subunit beta-2	CHRNB2	Goat	Hu	ELISA, IHC - P, WB	pab75593
Neuronal acetylcholine receptor subunit beta-4	CHRNB4	Rabbit	Hu	ELISA, IF, WB	pab0267
Neuronal acetylcholine receptor subunit beta-4	CHRNB4	Rabbit	Hu	ELISA, IF, WB	pab0267-P
Neuronal acetylcholine receptor subunit beta-4	CHRNB4	Goat	Hu, Mk	ELISA, IHC - P	pab73940

Subunits delta and epsilon

ANTIBODY TARGET	GENE	HOST	SPECIES	APPLICATIONS	CAT #
Acetylcholine receptor subunit delta	CHRNA1	Rabbit	Hu, Ms, Rat	ELISA, IF, WB	pab0297
Acetylcholine receptor subunit epsilon	CHRNA1	Rabbit	Hu, Ms	ELISA, IF, WB	pab0265

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Biomolecule Labelling

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design and optimisation
of R&D processes

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