

For Research Use Only

KCNK18 Polyclonal antibody

Catalog Number: 23712-1-AP



Basic Information

Catalog Number:

23712-1-AP

Size:

800 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20514

GenBank Accession Number:

BC152979

GeneID (NCBI):

338567

UNIPROT ID:

Q7Z418

Full Name:

potassium channel, subfamily K, member 18

Calculated MW:

384 aa, 44 kDa

Observed MW:

44 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : A431 cells, A375 cells, MCF-7 cells

IF/ICC : A375 cells,

Background Information

KCNK18, also named as TRESK and TRIK, is an outward rectifying potassium channel which produces rapidly activating outward rectifier K⁺ currents. It may function as background potassium channel that sets the resting membrane potential. KCNK18 is inhibited by arachidonic acid and other naturally occurring unsaturated free fatty acids. KCNK18 channel activity is enhanced by volatile anesthetics, such as isoflurane. The gene of KCNK18 maps to chromosome 10q26.11, and encodes a 384-amino acid protein with a predicted unmodified molecular weight of 44 kDa. This antibody can be used to detect endogenous KCNK18, however, the reason for the additional band of 130-140 kDa is still unknown.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

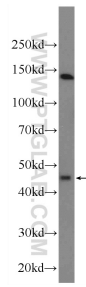
T: 4006900926

E: Proteintech-CN@ptglab.com

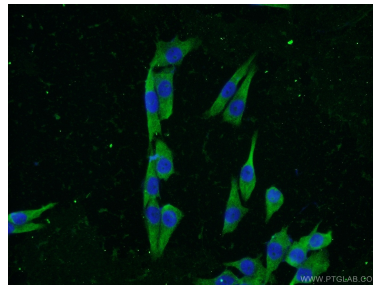
W: ptgcn.com

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Selected Validation Data



A431 cells were subjected to SDS PAGE followed by western blot with 23712-1-AP (KCNK18 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of A375 cells using 23712-1-AP (KCNK18 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).