

For Research Use Only

KCNK18 Polyclonal antibody

Catalog Number: 23712-1-AP



Basic Information

Catalog Number: 23712-1-AP	GenBank Accession Number: BC152979	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 ug/ml by Nanodrop and 453 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 338567	Recommended Dilutions: WB 1:500-1:2000 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q7Z418	
Isotype: IgG	Full Name: potassium channel, subfamily K, member 18	
Immunogen Catalog Number: AG20514	Calculated MW: 384 aa, 44 kDa	
	Observed MW: 44 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : A431 cells, A375 cells, MCF-7 cells
Species Specificity: human	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

*** 20ul sizes contain 0.1% BSA

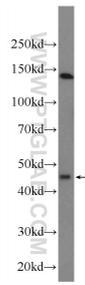
For technical support and original validation data for this product please contact:

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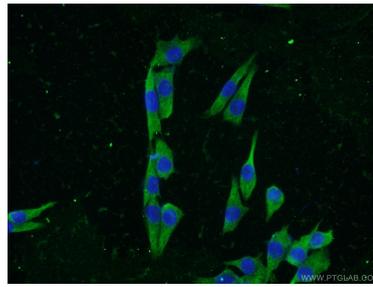
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Selected Validation Data



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 Goat Anti-Rabbit IgG(H+L).