

For Research Use Only

KCNN4 Polyclonal antibody

Catalog Number: 23271-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number: 23271-1-AP	GenBank Accession Number: BC015337	Purification Method: Antigen Affinity purified
Size: 150ul , Concentration: 700 µg/ml by Nanodrop and 380 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3783	Recommended Dilutions: WB 1:1000-1:8000 IF 1:50-1:500
Source: Rabbit	Full Name: potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4	
Isotype: IgG	Calculated MW: 427 aa, 48 kDa	
Immunogen Catalog Number: AG19774	Observed MW: 48 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Cited Applications: FC, IF, IHC, WB	WB : A431 cells, HepG2 cells, HEK-293 cells
Species Specificity: human	IF : HEK-293 cells,
Cited Species: human, mouse, canine	

Background Information

The intermediate conductance calcium-activated potassium channel KCNN4, also known as KCa3.1, IK1, or SK4, is a member of the potassium channel KCNN family. KCNN4 is expressed in T cells, mast cells, macrophages, erythrocytes, vascular smooth muscle cells, airway smooth muscle cells, intestinal and airway epithelial cells (PMID: 19681865; 21493782). Functionally, KCNN4 plays a key role in calcium-dependent cell functions, such as proliferation, activation, and migration, in a broad range of cell types (PMID: 21493782).

Notable Publications

Author	Pubmed ID	Journal	Application
Shuheng Jiang	29050937	Biochem Biophys Res Commun	IHC
Zilin Qiao	36423196	Viruses	WB
Yankang Cui	35689211	Cancer Cell Int	IF

Storage

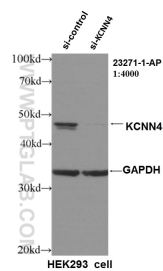
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

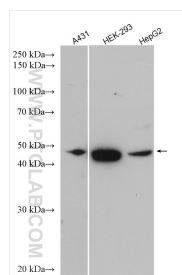
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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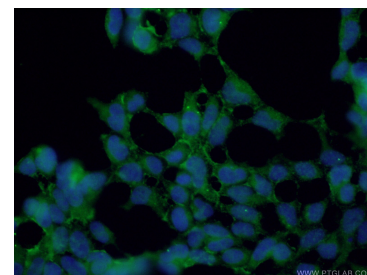
Selected Validation Data



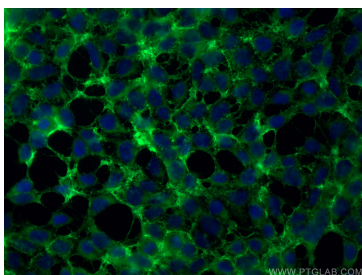
WB result of KCNN4 antibody (23271-1-AP, 1:4000) with si-control and si-KCNN4 transfected HEK293 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 23271-1-AP (KCNN4 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 23271-1-AP (KCNN4 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using KCNN4 antibody (23271-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).