

For Research Use Only

KCNN4 Polyclonal ANTIBODY



Catalog Number: 23271-1-AP

Featured Product

1 Publications

Basic Information

Catalog Number:
23271-1-AP

Size:
57 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen Affinity purified

Immunogen Catalog Number:
AG19774

GenBank Accession Number:
BC015337

GeneID (NCBI):
3783

Full Name:
potassium intermediate/small conductance
calcium-activated channel, subfamily N,
member 4

Calculated MW:
427aa, 48 kDa

Observed MW:
48 kDa

Recommended Dilutions:
WB 1:500-1:2000
IF 1:50-1:500

Applications

Tested Applications:
IF, WB, ELISA

Cited Applications:
IHC

Species Specificity:
human

Cited Species:
human

**Note: suggested antigen retrieval with TE
buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : HEK-293 cells; HEK-293

IF : HEK-293 cells;

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

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

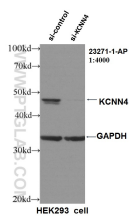
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

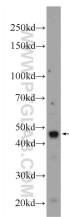
E: proteintech@ptglab.com
W: ptglab.com

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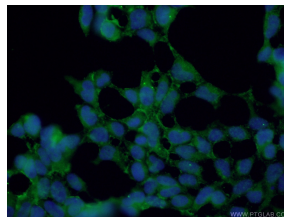
Selected Validation Data



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



HEK-293 cells were subjected to SDS PAGE followed by western blot with 23271-1-AP (KCNN4 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours



Immunofluorescent analysis of (-20) 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)