

For Research Use Only

# KCNN4 Polyclonal antibody

Catalog Number: 23271-1-AP

Featured Product

11 Publications



## Basic Information

### Catalog Number:

23271-1-AP

### Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 380 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG19774

### GenBank Accession Number:

BC015337

### GeneID (NCBI):

3783

### UNIPROT ID:

O15554

### Full Name:

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

### Calculated MW:

427 aa, 48 kDa

### Observed MW:

48 kDa

### Purification Method:

Antigen Affinity purified

### Recommended Dilutions:

WB 1:1000-1:8000

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IF/ICC, ELISA

### Cited Applications:

WB, IHC, IF, IP, ColP

### Species Specificity:

human

### Cited Species:

human, mouse, canine

### Positive Controls:

WB : A431 cells, HepG2 cells, HEK-293 cells

IF/ICC : 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
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

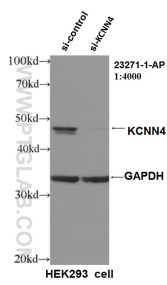
For technical support and original validation data for this product please contact:

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

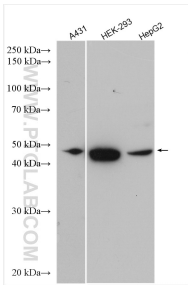
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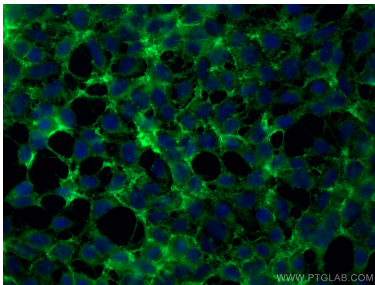
Selected Validation Data



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 KCNN4 antibody (23271-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).