

For Research Use Only

# KCNN4 Monoclonal antibody

Catalog Number: 60276-1-Ig **6 Publications**



## Basic Information

Catalog Number:

60276-1-Ig

Size:

1300  $\mu$ g/ml

Source:

Mouse

Isotype:

IgG2a

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:

Protein A purification

CloneNo.:

2A6G5

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : human blood tissue,

## 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
Dominic Gross	36302750	Cell Death Dis	IF
Fenglei Zheng	33727847	J Inflamm Res	WB
Zengyu Feng	35978332	J Hematol Oncol	WB

## 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:

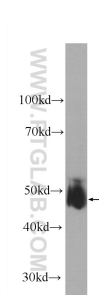
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



human blood were subjected to SDS PAGE followed by western blot with 60276-1-Ig (KCNN4 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.