

For Research Use Only

KCNN4 Monoclonal antibody

Catalog Number: 60276-1-Ig **5 Publications**



Basic Information

Catalog Number: 60276-1-Ig	GenBank Accession Number: BC015337	Purification Method: Protein A purification
Size: 150ul , Concentration: 1300 µg/ml by Nanodrop and 1053 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3783	CloneNo.: 2A6G5
Source: Mouse	Full Name: potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG2a	Calculated MW: 427 aa, 48 kDa	
Immunogen Catalog Number: AG19774	Observed MW: 48 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human blood tissue,
Cited Applications: IF, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, rat, mouse	

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

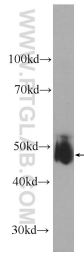
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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

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.