

For Research Use Only

# KCNN4 Monoclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 60276-1-Ig	<b>GenBank Accession Number:</b> BC015337	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1300 ug/ml by Nanodrop and 1053 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3783	<b>CloneNo.:</b> 2A6G5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O15554	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Isotype:</b> IgG2a	<b>Full Name:</b> potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4	
<b>Immunogen Catalog Number:</b> AG19774	<b>Calculated MW:</b> 427 aa, 48 kDa	
	<b>Observed MW:</b> 48 kDa	

## Applications

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

## 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

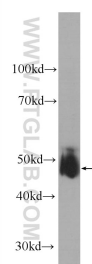
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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