

For Research Use Only

KCNN4 Monoclonal antibody

Catalog Number: 60276-1-Ig **2 Publications**



Basic Information

Catalog Number: 60276-1-Ig	GenBank Accession Number: BC015337	Purification Method: Protein A purification
Size: 150ul , Concentration: 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: WB	
Species Specificity: human, mouse, rat	
Cited Species: 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
Fenglei Zheng	33727847	J Inflamm Res	WB
Peng Dong	29167619	Acta Cardiol Sin	WB

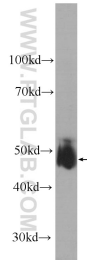
Storage

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: 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



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.