




Rabbit Anti-KCNN4 antibody

SL6675R

Product Name:	KCNN4
Chinese Name:	钙激活钾Channel protein4抗体
Alias:	hIKCa1; IK1; IKCa1; Intermediate conductance calcium activated potassium channel protein 4; Intermediate conductance calcium-activated potassium channel protein 4; KCa3.1; KCa4; KCNN 4; Kcnn4; KCNN4_HUMAN; Potassium intermediate/small conductance calcium activated channel, subfamily N, member 4; Putative Gardos channel; SK4; SKCa 4; SKCa4.
文献引用  :	Specific References(1) SL6675R has been referenced in 1 publications. [IF=3.23] Zhang, Panshi, et al. "Inhibition of SK4 Potassium Channels Suppresses Cell Proliferation, Migration and the Epithelial-Mesenchymal Transition in Triple-Negative Breast Cancer Cells." PLOS ONE 11.4 (2016): e0154471. IHC-P;Human. PubMed:27124117
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,Guinea Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	50kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human KCNN4:325-427/427
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

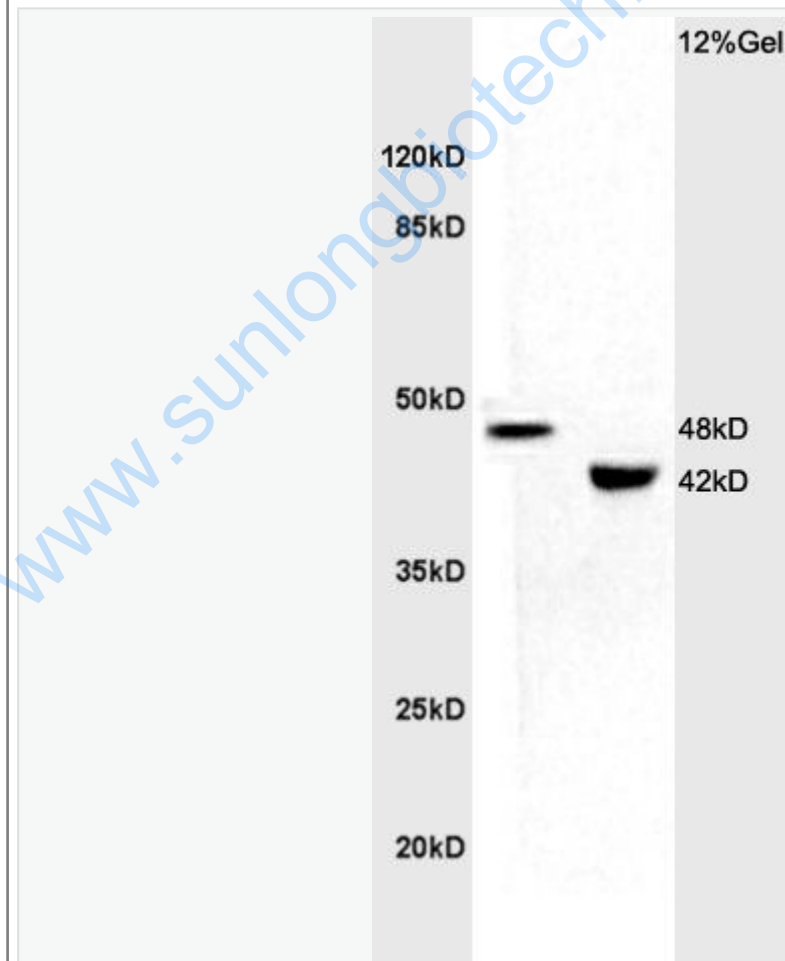
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>Forms a voltage-independent potassium channel that is activated by intracellular calcium. Activation is followed by membrane hyperpolarization which promotes calcium influx. Required for maximal calcium influx and proliferation during the reactivation of naive T cells. The channel is blocked by clotrimazole and charybdotoxin but is insensitive to apamin.</p> <p>Function: Forms a voltage-independent potassium channel that is activated by intracellular calcium. Activation is followed by membrane hyperpolarization which promotes calcium influx. Required for maximal calcium influx and proliferation during the reactivation of naive T cells. The channel is blocked by clotrimazole and charybdotoxin but is insensitive to apamin.</p> <p>Subunit: Heterotetramer of potassium channel proteins (Probable). Interacts with MTMR6.</p> <p>Subcellular Location: Membrane; Multi-pass membrane protein.</p> <p>Tissue Specificity: Widely expressed in non-excitabile tissues.</p> <p>Post-translational modifications: Phosphorylation at His-358 by NDKB activates the channel, and conversely it's dephosphorylation by PHPT1 inhibits the channel.</p> <p>Similarity: Belongs to the potassium channel KCNN family. KCa3.1/KCNN4 subfamily.</p> <p>SWISS: O15554</p> <p>Gene ID: 3783</p> <p>Database links: Entrez Gene: 3783Human Entrez Gene: 16534Mouse Entrez Gene: 65206Rat</p>

[Oimim: 602754](#)Human
[SwissProt: O15554](#)Human
[SwissProt: O89109](#)Mouse
[SwissProt: Q9QYW1](#)Rat
[Unigene: 10082](#)Human
[Unigene: 9911](#)Mouse
[Unigene: 44212](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Brain (Rat) Lysate at 40 ug

Heart (Rat) Lysate at 40 ug

Primary: Anti-KCNN4 (SL6675R) at 1/300 dilution

Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL6675R) at 1/5000 dilution

Predicted band size: 50 kD

Observed band size: 48/42 kD

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