



KCNN4 (SK4) Polyclonal Antibody

Catalog No	YP-Ab-16315
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;IHC;IF
Gene Name	KCNN4
Immunogen	Synthetic Peptide of KCNN4 (SK4) AA range: 177-227
Specificity	KCNN4(SK4) protein(A247) detects endogenous levels of KCNN4(SK4)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000, IHC 1:50-100. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DHS2;hIKCa1;hKCa4;hSK4;IK;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 calcium activated channel subfamily N member 4; Potassium intermediate/small conductance calcium activated channel;subfamily N;member 4;Putative Gardos channel;SK4;SKCa 4;SKCa4;Intermediate conductance calcium-activated potassium channel protein 4 (SK4) (SKCa 4) (SKCa4) (IKCa1) (IK1) (KCa3.1) (KCa4) (Putative Gardos channel)
Observed Band	50kD
Calculated Molecular Weight	50kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Widely expressed in non-excitabile tissues.
Function	function:Forms a voltage-independent potassium channel that is activated by intracellular calcium. Activation is followed by membrane hyperpolarization which promotes calcium influx. The channel is blocked by clotrimazole and charybdotoxin but is insensitive to apamin.;induction:Up-regulated by phorbol myristate acetate (PMA) and phytohemagglutinin (PHA) in T-cells., similarity:Belongs to the potassium channel KCNN family.,



subunit: Heterotetramer of potassium channel proteins (Probable). Interacts with MTMR6., tissue specificity: Widely expressed in non-excitable tissues.,

Background

potassium calcium-activated channel subfamily N member 4 (KCNN4) Homo sapiens The protein encoded by this gene is part of a potentially heterotetrameric voltage-independent potassium channel that is activated by intracellular calcium. Activation is followed by membrane hyperpolarization, which promotes calcium influx. The encoded protein may be part of the predominant calcium-activated potassium channel in T-lymphocytes. This gene is similar to other KCNN family potassium channel genes, but it differs enough to possibly be considered as part of a new subfamily. [provided by RefSeq, Jul 2008],

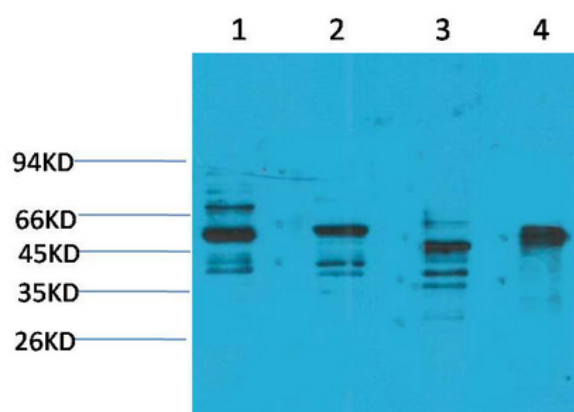
matters needing attention

Avoid repeated freezing and thawing!

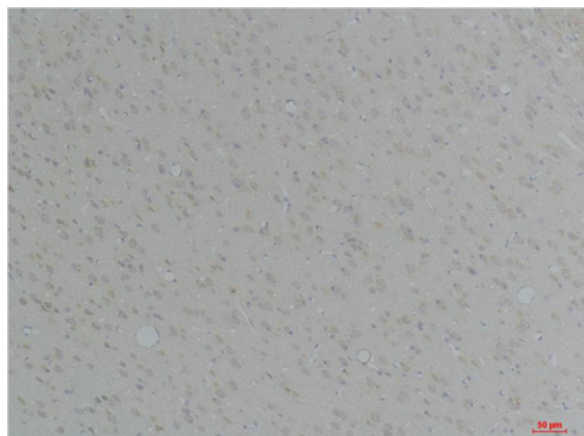
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of 1) Rat Brain Tissue, 2) Mouse Brain Tissue, 3) K562, 4) HepG2 with KCNN4(SK4) Rabbit pAb diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using KCNN4(SK4) Rabbit pAb diluted at 1:200.