

IK1 Polyclonal Antibody

Catalog No :	YT2298
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	IK1
Fields :	>>Insulin secretion;>>GnRH secretion;>>Salivary secretion;>>Protein digestion and absorption
Gene Name :	KCNN4
Protein Name :	Intermediate conductance calcium-activated potassium channel protein 4
Human Gene Id :	3783
Human Swiss Prot No :	O15554
Mouse Gene Id :	16534
Mouse Swiss Prot No :	O89109
Rat Swiss Prot No :	Q9QYW1
Immunogen :	The antiserum was produced against synthesized peptide derived from human KCNN4. AA range:331-380
Specificity :	IK1 Polyclonal Antibody detects endogenous levels of IK1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 48kD

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],

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-excitabile tissues.,

Subcellular Location : Cell membrane ; Multi-pass membrane protein .

Expression : Widely expressed in non-excitabile tissues.

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