

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

015554

O89109

Gene Name: KCNN4

Protein Name: Intermediate conductance calcium-activated potassium channel protein 4

Human Gene Id: 3783

Human Swiss Prot

No:

Mouse Gene Id: 16534

Mouse Swiss Prot

No:

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-excitable

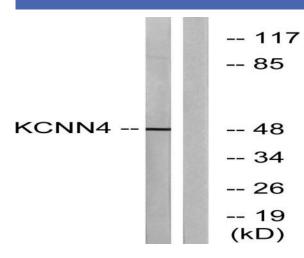
tissues..

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Expression: Widely expressed in non-excitable tissues.

Products Images



Western blot analysis of lysates from HepG2 cells, using KCNN4 Antibody. The lane on the right is blocked with the synthesized peptide.