

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

Cell membrane; Multi-pass membrane protein.

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:

Expression: Widely expressed in non-excitable tissues.

Tag:

hot

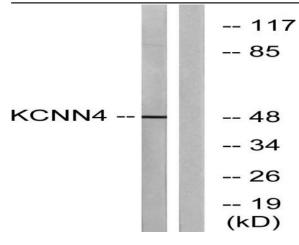
Sort:

8384

No4:

1

Products Images



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