

KCNA1 Rabbit pAb

Catalog No.: A2992

1 Publications

Basic Information

Observed MW

56kDa

Calculated MW

56kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a voltage-gated delayed potassium channel that is phylogenetically related to the Drosophila Shaker channel. The encoded protein has six putative transmembrane segments (S1-S6), and the loop between S5 and S6 forms the pore and contains the conserved selectivity filter motif (GYGD). The functional channel is a homotetramer. The N-terminus of the channel is associated with beta subunits that can modify the inactivation properties of the channel as well as affect expression levels. The C-terminus of the channel is complexed to a PDZ domain protein that is responsible for channel targeting. Mutations in this gene have been associated with myokymia with periodic ataxia (AEMK).

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

3736

Swiss Prot

Q09470

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 500-600 of human KCNA1 (Q09470).

Synonyms

EA1; MK1; AEMK; HBK1; HUK1; MBK1; RBK1; KV1.1; KCNA1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data

