

KCNA1

Reactivity:Human Mouse Rat

Tested applications:WB IHC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:100

Calculated MW:56kDa

Observed MW:Refer to Figures

Immunogen:

A synthetic peptide of human KCNA1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

g

Synonym:

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

Catalog #:A2992

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:3736

Isotype:IgG

Swiss Prot:Q09470

Purity:Affinity purification

For research use only.

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).

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