

## 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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