

KCNA4

Reactivity: Human Mouse Rat

Tested applications: WB

Recommended Dilution: WB 1:200 - 1:2000

Calculated MW: 73kDa

Observed MW: Refer to figures

Immunogen:

A synthetic peptide of human KCNA4

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

HK1; HBK4; PCN2; HPCN2; HUKII; KCNA8; KV1.4; KCNA4L

Catalog #: A9389

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 3739

Isotype: IgG

Swiss Prot: P22459

Purity: Affinity purification

For research use only.

Background:

Potassium channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in *Drosophila*, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. This member contains six membrane-spanning domains with a shaker-type repeat in the fourth segment. It belongs to the A-type potassium current class, the members of which may be important in the regulation of the fast repolarizing phase of action potentials in heart and thus may influence the duration of cardiac action potential.

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