

Product Datasheet

KCNA1 Antibody

Catalog No: CY5696

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IP



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Information

UniProt ID: Q09470

All Names: HBK1; HUK1; EA1; MK1; AEMK; MBK1; RBK1; KCNA1; potassium channel Kv1.1; potassium voltage-gated channel subfamily A member 1;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 56 kDa

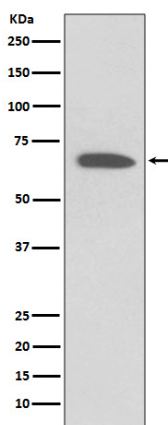
Application

WB: 1:5000~1:10000

IP: 1:10

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).



Western blot analysis of KCNA1 expression in Human fetal brain lysate.

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