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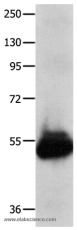
Elabscience®

KCNA1 Polyclonal Antibody

Catalog No.	E-AB-12529	**Reactivity**	H,M,R
Storage	Store at -20℃. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	WB,ELISA	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images



Western Blot analysis of Human kidney cancer tissue using KCNA1 Polyclonal Antibody at dilution of 1:600

Immunogen Information

Immunogen	Synthetic peptide of human KCNA1
Gene Accession	NP_000208
Swissprot	Q09470
Synonyms	EA1,MK1,AEMK,HBK1,HUK1,MBK1,RBK1,KV1.1

Product Information

Calculated MW	56kDa
Buffer	PBS with 0.05% sodium azide and 50% glycerol, PH7.4
Purify	Affinity purification
Dilution	WB 1:500-1:2000

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).