Product Datasheet

KCNA1 Antibody

Catalog No: #31226

Package Size: #31226-1 50ul #31226-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	KCNA1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total KCNA1 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Synthetic peptide corresponding to a region derived from 460-472 amino acids of Human potassium voltage-gated channel, shaker-related subfamily, member 1 (episodic ataxia with myokymia)
Target Name	KCNA1
Other Names	potassium voltage-gated channel, shaker-related subfamily, member 1 (episodic ataxia with myokymia), EA1, MK1, AEMK, HBK1, HUK1, MBK1, RBK1, KV1.1
Accession No.	Swiss-Prot:Q09470Gene ID:3736;
Uniprot	Q09470
GeneID	3736;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C/1 year

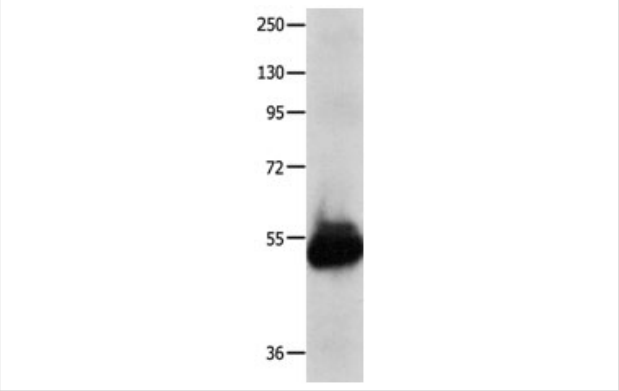
Application Details

Predicted MW: 56kd

ELISA: 1:1000-1:5000

Western blotting: 1:500-1:2000

Images



Gel: 8%SDS-PAGE
Lysate: 40 µg Human kidney cancer tissue lysate
Primary antibody: 1/600 dilution
Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution
Exposure time: 20 seconds

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).

Note: This product is for in vitro research use only