

KCNA1 antibody

Catalog No: #38529

Package Size: #38529-1 50ul #38529-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

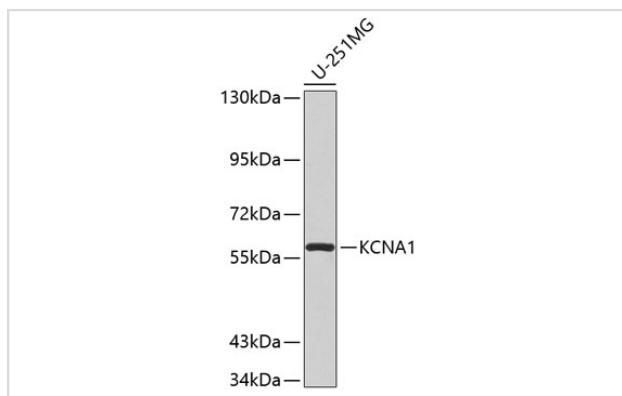
Description

Product Name	KCNA1 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total KCNA1 protein.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human KCNA1.
Target Name	KCNA1
Other Names	EA1; MK1; AEMK; HBK1; HUK1; MBK1; RBK1; KV1.1
Accession No.	Swiss-Prot#: Q09470NCBI Gene ID: 3736
Uniprot	Q09470
GeneID	3736;
SDS-PAGE MW	56kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

WB □ 1:500 - 1:2000IF □ 1:50 - 1:100

Images



Western blot analysis of extracts of U-251MG cells, using KCNA1 .

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