

Product datasheet for **TA338385**

KCNA1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-KCNA1 antibody: synthetic peptide directed towards the middle region of human KCNA1. Synthetic peptide located within the following region: ISIVIFCLETLPELKDDKDFGTVHRIDNTTVIYNSNIFTDPFFIVETLC
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	56 kDa
Gene Name:	potassium voltage-gated channel subfamily A member 1
Database Link:	NP_000208 Entrez Gene 3736 Human Q09470



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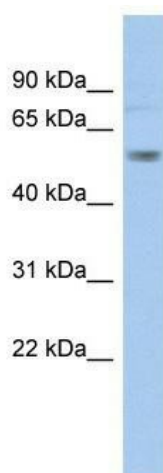
Background: This gene encodes a voltage-gated delayed potassium channel that is phylogenetically related to the *Drosophila* Shaker channel. The encoded protein has six putative transmembrane segments (S1-S6), and the loop between S5 and S6 forms the pore and contains the conserved selectivity filter 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). [provided by RefSeq, Jul 2008]

Synonyms: AEMK; EA1; HBK1; HUK1; KV1.1; MBK1; MK1; RBK1

Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Human: 100%; Rat: 93%; Mouse: 93%; Horse: 86%; Guinea pig: 79%

Protein Families: Druggable Genome, Ion Channels: Potassium, Transmembrane

Product images:



WB Suggested Anti-KCNA1 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1:312500; Positive
Control: Human Stomach