

Product datasheet for **TA338715**

KCNA7 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-KCNA7 antibody: synthetic peptide directed towards the C terminal of human KCNA7. Synthetic peptide located within the following region: GEEAGMFSHVDMQPCGPLEGKANGGLVDGEVPELPPPLWAPPGKHLVTEV
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>
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	50 kDa
Gene Name:	potassium voltage-gated channel subfamily A member 7
Database Link:	NP_114092 Entrez Gene 3743 Human Q96RP8



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Background:

Potassium channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in *Drosophila*, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. This member contains six membrane-spanning domains with a shaker-type repeat in the fourth segment. The gene is expressed preferentially in skeletal muscle, heart and kidney. It is a candidate gene for inherited cardiac disorders. [provided by RefSeq, Jul 2008]

Synonyms:

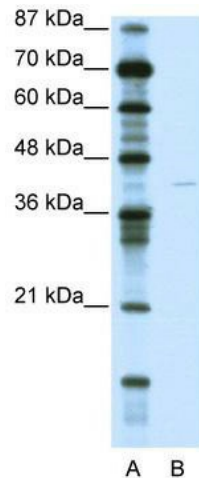
HAK6; KV1.7

Note:

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

Protein Families:

Druggable Genome, Ion Channels: Potassium, Transmembrane

Product images:

WB Suggested Anti-KCNA7 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive
Control: Jurkat cell lysate