

## Product datasheet for **TA338755**

### **Kv beta 2 (KCNAB2) 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-KCNAB2 antibody: synthetic peptide directed towards the middle region of human KCNAB2. Synthetic peptide located within the following region: SSVLLGASNADQLMENIGAIQVLPKLSSSIHEIDSILGNKPYSKKDYRS
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:	39 kDa
Gene Name:	potassium voltage-gated channel subfamily A regulatory beta subunit 2
Database Link:	<a href="#">NP_742128</a> <a href="#">Entrez Gene 8514 Human</a> <a href="#">Q13303</a>



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**Background:**

Voltage-gated potassium (Kv) 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 is one of the beta subunits, which are auxiliary proteins associating with functional Kv-alpha subunits. This member alters functional properties of the KCNA4 gene product. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Dec 2010]

**Synonyms:**

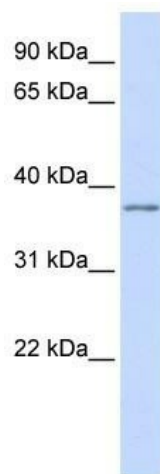
AKR6A5; HKvbeta2; HKvbeta2.1; HKvbeta2.2; KCNA2B; KV-BETA-2

**Note:**

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 93%

**Protein Families:**

Druggable Genome, Ion Channels: Other

**Product images:**

WB Suggested Anti-KCNA2 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:2500; Positive Control: Jurkat cell lysate KCNA2 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells