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Product datasheet for TA331457

Kv beta 2 (KCNAB2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human, Mouse
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: WGGKAETERGLSRKHIIEGLKASLERLQLEYVDVVFANRPDPNTPMEETV
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	40 kDa
Gene Name:	potassium voltage-gated channel subfamily A regulatory beta subunit 2
Database Link:	NP_003627 Entrez Gene 16498 MouseEntrez Gene 8514 Human Q13303

View online »

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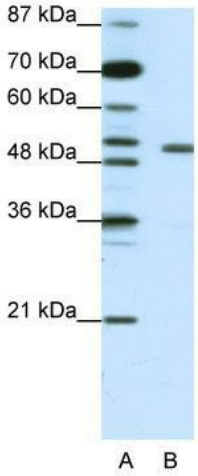
Background: This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. This member is one of the beta subunits, which are auxiliary proteins associating with functional Kv-alpha subunits. This member alters functional properties of the KCNA4 gene product.Voltage-gated 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 two transcript variants encoding distinct isoforms.

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

Note: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig: 100%; Yeast: 83%

Protein Families: Druggable Genome, Ion Channels: Other

Product images:



WB Suggested Anti-KCNAB2 Antibody Titration: 1.25ug/ml; Positive Control: Jurkat cell lysate

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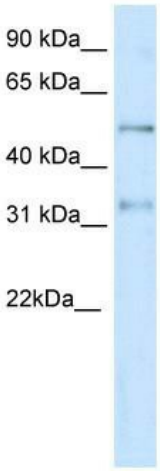
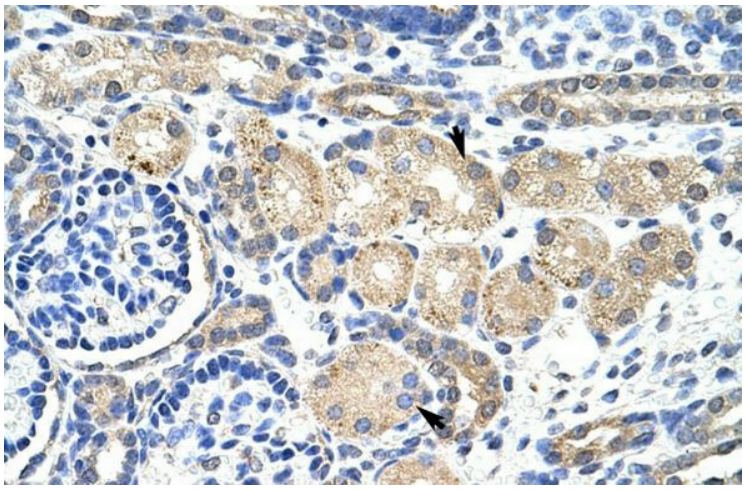
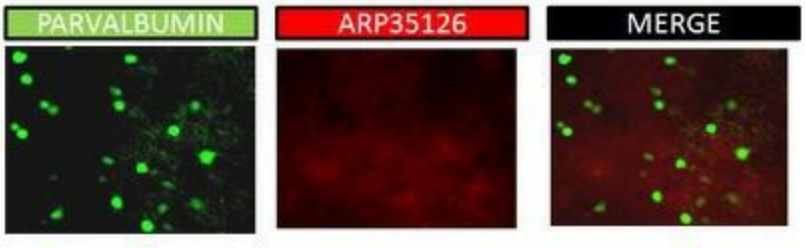


WB Suggested Anti-KCNAB2 Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:312500Positive Control: Jurkat cell lysateKCNAB2 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells



Human kidney



Sample Type: P48 Mouse Dilution: 1:2000 tested with brain slices in Immunohistochemistry

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