

Rabbit KCNAB2 Polyclonal Antibody | anti-KCNAB2 antibody

KCNAB2 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198201	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish	Western Blot, Immunohistochemistry

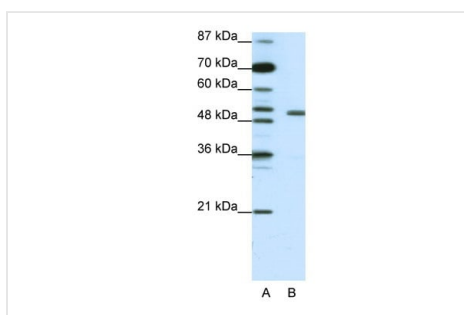
PRODUCT SYNONYMS

KCNAB2; Polyclonal Antibody; KCNAB2 antibody - middle region; anti-KCNAB2 antibody

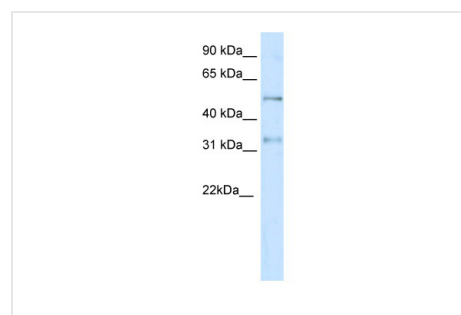
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: WG GKAETERGLS RKHIIEGLKA SLERLQLEYV DVVFANRPDP NTPMEETV
Sequence Length	367
Applicable Applications for anti-KCNAB2 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 83%; Zebrafish: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human KCNAB2
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

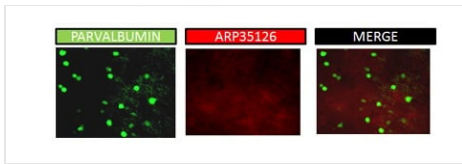
IMAGES


WB (Western Blot)

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

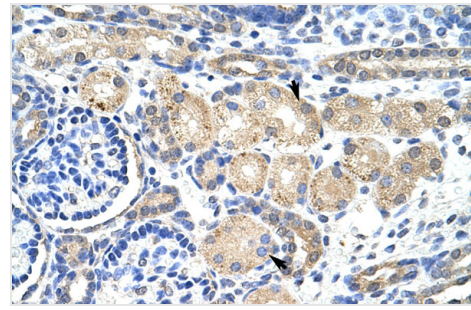

WB (Western Blot)

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



IHC (Immunohistochemistry)

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



IHC (Immunohistochemistry)

Human kidney

ADDITIONAL INFORMATION

Related Product Information for anti-KCNAB2 antibody	This is a rabbit polyclonal antibody against KCNAB2. It was validated on Western Blot and immunohistochemistry Target Description: 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.
Product Categories/Family for anti-KCNAB2 antibody	Polyclonal; Cardiovascular; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	18202496
NCBI GeneID	8514
NCBI Accession #	NP_003627
NCBI GenBank Nucleotide #	NM_003636
UniProt Accession #	Q13303
Molecular Weight	40kDa
NCBI Official Full Name	Voltage-gated potassium channel subunit beta-2
NCBI Official Synonym Full Names	potassium voltage-gated channel subfamily A regulatory beta subunit 2
NCBI Official Symbol	KCNAB2
NCBI Official Synonym Symbols	AKR6A5; KCNA2B; HKvbeta2; KV-BETA-2; HKvbeta2.1; HKvbeta2.2
NCBI Protein Information	voltage-gated potassium channel subunit beta-2
UniProt Protein Name	Voltage-gated potassium channel subunit beta-2
UniProt Gene Name	KCNAB2
UniProt Synonym Gene Names	KCNA2B; KCNK2; hKvbeta2
UniProt Entry Name	KCAB2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/kcnab2-antibody-western-blot-immunohistochemistry-elisa/198201>