

Rabbit KCNAB3 Polyclonal Antibody | anti-KCNAB3 antibody

KCNAB3 antibody - N-terminal region

CATALOG # AAA197928	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

KCNAB3; Polyclonal Antibody; KCNAB3 antibody - N-terminal region; anti-KCNAB3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
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: RN LGKSGLRVSC LGLGTWVTFG SQISDETAED VLTVAYEHGV NLFDTAEV
Sequence Length	404
Applicable Applications for anti-KCNAB3 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human KCNAB3
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-KCNAB3 Antibody Titration: 0.65ug/ml ELISA Titer: 1:12500 Positive Control: Jurkat cell lysate



IHC (Immunohistochemistry)

Human kidney

ADDITIONAL INFORMATION

Related Product Information for anti-KCNAB3 antibody	This is a rabbit polyclonal antibody against KCNAB3. It was validated on Western Blot and immunohistochemistry Target Description: 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 and the KCNA5 gene product assemble into a heteromultimeric A-type channel that inactivates completely and is significantly faster than other A-type Kv channels.
Product Categories/Family for anti-KCNAB3 antibody	Polyclonal; Cardiovascular; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	27436971
NCBI GeneID	9196
NCBI Accession #	NP_004723
NCBI GenBank Nucleotide #	NM_004732
UniProt Accession #	O43448
Molecular Weight	44kDa
NCBI Official Full Name	voltage-gated potassium channel subunit beta-3
NCBI Official Synonym Full Names	potassium voltage-gated channel subfamily A regulatory beta subunit 3
NCBI Official Symbol	KCNAB3
NCBI Official Synonym Symbols	AKR6A9; KCNA3B; KCNA3.1B; KV-BETA-3
NCBI Protein Information	voltage-gated potassium channel subunit beta-3
UniProt Protein Name	Voltage-gated potassium channel subunit beta-3
UniProt Gene Name	KCNAB3
UniProt Synonym Gene Names	KCNA3B
UniProt Entry Name	KCAB3_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.