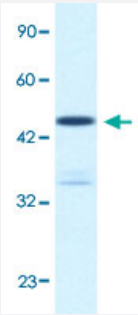
KCNAB3 polyclonal antibody

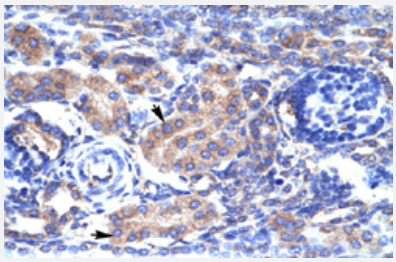
Catalog # PAB30160 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of Jurkat cell lysate with KCNAB3 polyclonal antibody (Cat # PAB30160) at 0.65 ug/mL working concentration.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with KCNAB3 polyclonal antibody (Cat # PAB30160) at 4-8 ug/mL working concentration.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of human KCNAB3.
Immunogen	A synthetic peptide corresponding to N-terminus of human KCNAB3.
Sequence	RNLGKSGLRVSCLGLGTWVTFGSQISDETAEDVLTVAYEHGVNLFDTAEV
Host	Rabbit
Theoretical MW (kDa)	44
Reactivity	Human
Form	Liquid

Purification	Protein A purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4-8 ug/mL) Western Blot (0.65 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (2% sucrose, 0.09% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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Gene Info — KCNAB3

Entrez GeneID	9196
GeneBank Accession#	NM_004732
Protein Accession#	NP_004723;O43448
Gene Name	KCNAB3
Gene Alias	AKR6A9, KCNA3.1B, KCNA3B, KV-BETA-3, MGC116886
Gene Description	potassium voltage-gated channel, shaker-related subfamily, beta member 3
Omim ID	604111
Gene Ontology	Hyperlink

Gene Summary	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. [provided by RefSeq
Other Designations	K+ channel beta-3 subunit|potassium channel, voltage-dependent, beta-3 subunit