

Rabbit anti-Mouse, Rat KCNAB2 Polyclonal Antibody | anti-KCNAB2 antibody

KCNAB2 Rabbit pAb

CATALOG # AAA281631	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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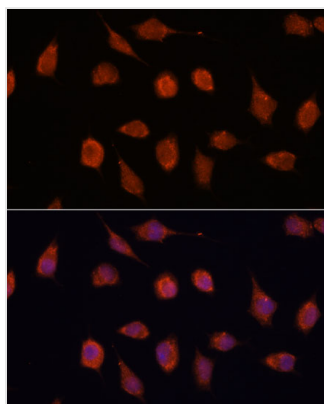
PRODUCT SYNONYMS

KCNAB2; Polyclonal Antibody; KCNAB2 Rabbit pAb; AKR6A5; HKvbeta2; HKvbeta2.1; HKvbeta2.2; KCNA2B; KV-BETA-2; anti-KCNAB2 antibody

PRODUCT SPECIFICATIONS

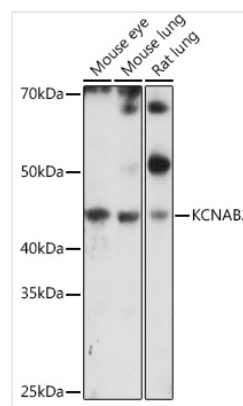
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	MYPESTTGSP ARLSLRQTGS PGMIYSTRYG SPKRQLQFYR
Applicable Applications for anti-KCNAB2 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-40 of human KCNAB2 (NP_003627.1).
Positive Samples	Mouse eye, Mouse lung, Rat lung
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using KCNAB2 antibody at dilution of 1:100.
Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using KCNAB2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-KCNAB2 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18202496
NCBI GeneID	8514
UniProt Accession #	Q13303; O43659; Q5TG82; Q5TG83; Q6ZNE4; Q99411; A0AVM9; A8K1A4; B0AZR7
Molecular Weight	41,000 Da
NCBI Official Full Name	Voltage-gated potassium channel subunit beta-2
NCBI Official Synonym Full Names	potassium voltage-gated channel, shaker-related subfamily, beta member 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; K+ channel beta-2 subunit; K(+) channel subunit beta-2; potassium channel shaker chain 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.