

# KCNAB1 rabbit monoclonal antibody

Catalog # H00007881-K

Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human KCNAB1 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human KCNAB1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human KCNAB1 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — KCNAB1

Entrez GeneID	<a href="#">7881</a>
GeneBank Accession#	<a href="#">KCNAB1</a>
Gene Name	KCNAB1
Gene Alias	AKR6A3, KCNA1B, KV-BETA-1, Kvb1.3, hKvBeta3, hKvb3
Gene Description	potassium voltage-gated channel, shaker-related subfamily, beta member 1
Omim ID	<a href="#">601141</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>Potassium 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 includes three distinct isoforms which are encoded by three alternatively spliced transcript variants of this gene. These three isoforms are beta subunits, which form heteromultimeric complex with alpha subunits and modulate the activity of the pore-forming alpha subunits. [provided by RefSeq]</p>
Other Designations	potassium channel beta 3 chain potassium channel beta3 subunit potassium channel shaker chain beta 1a potassium voltage-gated channel beta subunit voltage-gated potassium channel beta-1 subunit

## Disease

- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Seizures](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)