

## KCNB1 polyclonal antibody

Catalog # PAB7569

Size 100 ug

### Specification

<b>Product Description</b>	Goat polyclonal antibody raised against synthetic peptide of KCNB1.
<b>Immunogen</b>	A synthetic peptide corresponding to human KCNB1.
<b>Sequence</b>	C-HQYIDADTDDEGQ
<b>Host</b>	Goat
<b>Theoretical MW (kDa)</b>	95.9
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Concentration</b>	0.5 mg/mL
<b>Quality Control Testing</b>	Antibody Reactive Against Synthetic Peptide.
<b>Recommend Usage</b>	ELISA (1:4000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
<b>Storage Instruction</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

### Applications

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — KCNB1

Entrez GeneID [3745](#)

Protein Accession# [NP\\_004966.1](#)

Gene Name KCNB1

Gene Alias DRK1, KV2.1, h-DRK1

Gene Description potassium voltage-gated channel, Shab-related subfamily, member 1

Omim ID [600397](#)

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, shab-related subfamily. This member is a delayed rectifier potassium channel and its activity is modulated by some other family members. [provided by RefSeq]

**Other Designations**

OTTHUMP00000031697|delayed rectifier potassium channel Kv2.1|h-DRK1 K(+) channel|potassium channel protein DRK1|potassium voltage-gated channel subfamily B member 1|voltage-gated potassium channel

## Publication Reference

- [Graded regulation of the Kv2.1 potassium channel by variable phosphorylation.](#)

Park KS, Mohapatra DP, Misonou H, Trimmer JS.

Science 2006 Aug; 313(5789):976.

Application: WB-Tr, Human, HEK 293 cells

## Pathway

- [Taste transduction](#)

## Disease

- [Hypertension](#)
- [Hypertrophy](#)
- [Tobacco Use Disorder](#)