

MaxPab®

KCNB1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003745-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human KCNB1 protein.
Immunogen	KCNB1 (NP_004966.1, 1 a.a. ~ 858 a.a) full-length human protein.
Sequence	MPAGMTKHGSRSTSSLPPEPMEIVRSKACSRVRVLNVGGLAHEVLWRTLDRLPRTLGLKLRDCN THDSLLEVCDDYSLDDNEYFFDRHPGAFTSILNFYRTGRLHMMEEMCALSFSQELDYWGIDEMLE SCCQARYHQKKEQMNEELKREAETLREREGEEFDNTCCAERKKLWDLLEKPNSSVAAKILAIISI MFIVLSTIALSLNTLPELQSLDEFGQSTDNPQLAHVEAVCIAWFTMEYLLRFLSSPKKWKFFKGPL NAIDLLAILPYVITFLTESNKSVLQFQNVRRVVQIFRIMRILRLKLARHSTGLQSLGFTLRRSYNELGL LILFLAMGIMFSSLVFFAEKDEDDTKFKSIPASFWWATITMTTVGYGDIYPKTLGKIVGGLCCAGV LVIALPIPIVNNFSEFYKEQKRQEKAIRREALERAKRNGSIVSMNMKDAFARSIEMMDIVVEKNGE NMGKKDKVQDNHLSPNKWKWTKRTLSETSSSKSFETKEQGSPEKARSSSSPQHLNVQQLEDM YNKMAKTQSQPILNTKESAAQSKPKKEELEMESIPSPVAPLPTRTEGVIDMRSMSSIDSFISCATDF PEATRFSSHPLTSLPSKTGGSTAPEVGWRGALGASGGRFVEANPSPDASQHSSFFIESPKSSM KTNNPLKLRALKVNFMEGDPSPLLPVLGMYHDPLRNRGSAAGLECATLLDKAVLSPESSIY TTASAKTPPRSPEKHTAIAFNFEAGVHQYDADTDDEGQLLYSVDSSPPKSLPGSTSPKFSTGTRS EKNHFESSPLPTSPKFLRQNCIYSTEALTGKGPSGQEKCKLENHISPDVRVLPGGGAHGSTRDQS I
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — KCNB1

Entrez GeneID [3745](#)

GeneBank Accession# [NM_004975.2](#)

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

Pathway

- [Taste transduction](#)

Disease

- [Hypertension](#)
- [Hypertrophy](#)

- [Tobacco Use Disorder](#)