

MaxPab®

KCND3 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003752-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human KCND3 protein.
Immunogen	KCND3 (ADR83090.1, 1 a.a. ~ 636 a.a) full-length human protein.
Sequence	MAAGVAAWLPPFARAAAIGWMPVANCPMPLAPADKNKRQDELMLNVSGRRFQTWRTTLERYPD TLLGSTEKEFFFNEDTKEYFFDRDPEVFRCLNFYRTGKLHYPRYECISAYDDELA FYGILPEIIGDC CYEEYKDRKRENAERLMDDNSENQESMPSLSRQTMWRAFENPHTSTLALVFYYVTGFFIAV SVITNVVETVPCGTVPGSKELPCGERYSVAFFCLDTACVMIFTVEYLLRLFAAPSRYRFIRSVMSIID VVAIMPYIIGLVMTNNEVDVSGAFVTLRVFRVFRIFKFSRHSQGLRILGYTLKSCASELGFLFSLTMA IIIFATVMFYAEKGSSASKFTSIPASFWYTVMTMTTLGYGDMVPKTIAGKIFGSICSLSGVLVIALPVPVI VSNFSRIYHQNRADKRRRAQKKARLARIRVAKTGSSNAYLHSKRNGLLNEALELTGTPEEEHMGK TTSLESQHHLHLCLEKTTNHEFIDEQMFEQNCMESSMQNYPSTRSPSLSSHPLTTCCSRRS KKTTHLPNSNLPATRLRSMQELSTHIQGSEQPSLTTSRSSLNLKADDGLRPNCKTSQITTAISIPTP PALTPEGESRPPASP GPNTNIPSIASNVVKVSAL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96); Rat (97)
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 — KCND3

Entrez GeneID [3752](#)

GeneBank Accession# [HQ258336.1](#)

Protein Accession# [ADR83090.1](#)

Gene Name KCND3

Gene Alias KCND3L, KCND3S, KSHVB, KV4.3, MGC142035, MGC142037

Gene Description potassium voltage-gated channel, Shal-related subfamily, member 3

Omim ID [605411](#)

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, shal-related subfamily, members of which form voltage-activated A-type potassium ion channels and are prominent in the repolarization phase of the action potential. This member includes two isoforms with different sizes, which are encoded by alternatively spliced transcript variants of this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000013771|OTTHUMP00000013772|OTTHUMP00000063948|potassium ionic channel Kv4.3|sha1-related potassium channel Kv4.3|voltage-gated K⁺ channel|voltage-gated potassium channel Kv4.3

Disease

- [Long QT syndrome](#)
- [Tobacco Use Disorder](#)