

MaxPab®

KCNA6 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003742-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human KCNA6 protein.
Immunogen	KCNA6 (NP_002226.1, 1 a.a. ~ 529 a.a) full-length human protein.
Sequence	MRSEKSLTAAPGEVRGPEGEQQDAGDFPEAGGGGGCCSSERLVINISGLRFETQLRTLSLFPD TLLGDPGRRVRFFDPLRNEYFFDRNRPSFDAILYQQSGGRLRRPVNVPLDIFLEEIRFYQLGDEAL AAFREDEGCLPEGGEDEKPLPSQPFQRQVWLLFEYPSSGPARGIAVSVLVILISMIFCLETLPQF RVDGRGGNNGGVSRSVPVSRGSQEEEEDEDDSYTFHHGITPGEMGTGGSSSLSTLGGSFFTDP FFLVETLCVWFTFELLVRFSACPSKPAFFRNIMNIIDLVAIFPYFITLGTELVQQEQQPASGGGGQ NGQQAMSLAILRVRLVRVFRIFKLSRHSKGLQILGKTLQASMRELGLLIFFLFIGVILFSSAVYFAEA DDDDSLFPSIPDAFWAVVTMTTVGYGDMYPMTVGGKIVGSLCAIAGVLTIALPVPVIVSNFNIFY HRETEQEEQGQYTHVTCGQPAPDLRATDNGLGKPDFPEANRERRPSYLPTPHRA YAEKRMLTEV
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (93)
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 — KCNA6

Entrez GeneID [3742](#)

GeneBank Accession# [NM_002235.2](#)

Protein Accession# [NP_002226.1](#)

Gene Name KCNA6

Gene Alias FLJ25134, HBK2, KV1.6

Gene Description potassium voltage-gated channel, shaker-related subfamily, member 6

Omim ID [176257](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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 contains six membrane-spanning domains with a shaker-type repeat in the fourth segment. It belongs to the delayed rectifier class. The coding region of this gene is intronless, and the gene is clustered with genes KCNA1 and KCNA5 on chromosome 12. [provided by RefSeq]

Other Designations human brain potassium channel-2|voltage-gated potassium channel protein Kv1.6

Disease

- [Tobacco Use Disorder](#)