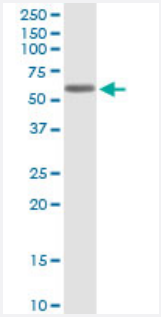
MaxPab®

KCNA1 purified MaxPab mouse polyclonal antibody (B01P)

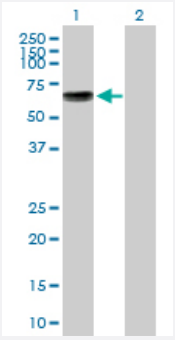
Catalog # H00003736-B01P Size 50 ug

Applications



Western Blot (Cell lysate)

KCNA1 MaxPab polyclonal antibody. Western Blot analysis of KCNA1 expression in A-431.



Western Blot (Transfected lysate)

Western Blot analysis of KCNA1 expression in transfected 293T cell line (H00003736-T01) by KCNA1 MaxPab polyclonal antibody.

Lane 1: KCNA1 transfected lysate(54.45 KDa).
Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human KCNA1 protein.
Immunogen	KCNA1 (NP_000208.2, 1 a.a. ~ 495 a.a) full-length human protein.
Sequence	MTVMSGENVDEASAAPGHPQDGSYPRQADHDDHECCERVVINISGLRFETQLKTLAQFPNTLLG NPKKRMRYFDPLRNEYFFDRNRPSFDAILYYYQSGGRLRRPVNVPLDMFSEEIKFYELGEEAMEK FREDEGFIKEEERPLPEKEYQRQVWLLFEYPESSGPARVIAIVSVMVILISIVIFCLETLPELKDDKD FTGTVHRIDNTTVIYNSNIFTDPFFIVETLCIIWFSFELVVRFFACPSKTDFFKNIMNFIDIVAIIPYFITLGT EIAEQEGNQKGEQATSLAILRVIRLVRVFRIFKLSRHSKGLQILGQTLKASMRELGLLIFFLFIGVILFS SAVYFAEAEEAESHFSSIPDAFWWAVVSMTTVGYGDMYPVTIGGKIVGSLCAIAGVLTIALPVPVIV SNFNYFYHRETEGEEQAQLLHVSSPNLASDSDLSRRSSSTMSKSEYMEIEEDMNNSIAHYRQVNI RTANCTTANQNCVNKSKLLTDV

Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)
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 (Cell lysate)

  KCNA1 MaxPab polyclonal antibody. Western Blot analysis of KCNA1 expression in A-431.

  Protocol Download

- Western Blot (Transfected lysate)

  Western Blot analysis of KCNA1 expression in transfected 293T cell line (H00003736-T01) by KCNA1 MaxPab polyclonal antibody.

  Lane 1: KCNA1 transfected lysate(54.45 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

Gene Info — KCNA1

Entrez GeneID	3736
GeneBank Accession#	NM_000217.1
Protein Accession#	NP_000208.2
Gene Name	KCNA1
Gene Alias	AEMK, EA1, HBK1, HUK1, KV1.1, MBK1, MGC126782, MGC138385, MK1, RBK1
Gene Description	potassium voltage-gated channel, shaker-related subfamily, member 1 (episodic ataxia with myo kymia)
Omim ID	160120 176260

Gene Ontology	Hyperlink
Gene Summary	This gene encodes a voltage-gated delayed potassium channel that is phylogenetically related to the Drosophila Shaker channel. The encoded protein has six putative transmembrane segments (S1-S6), and the loop between S5 and S6 forms the pore and contains the conserved selectivity fil ter motif (GYGD). The functional channel is a homotetramer. The N-terminus of the channel is ass ociated with beta subunits that can modify the inactivation properties of the channel as well as affe ct expression levels. The C-terminus of the channel is complexed to a PDZ domain protein that is responsible for channel targeting. Mutations in this gene have been associated with myokymia wit h periodic ataxia (AEMK). [provided by RefSeq
Other Designations	potassium voltage-gated channel subfamily A member 1|voltage-gated potassium channel subuni t Kv1.1

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema