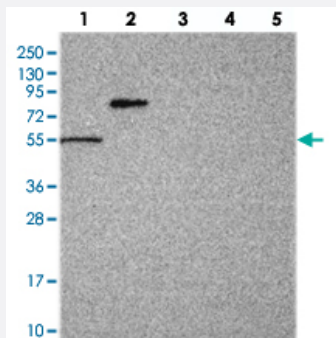


KCNAB1 polyclonal antibody

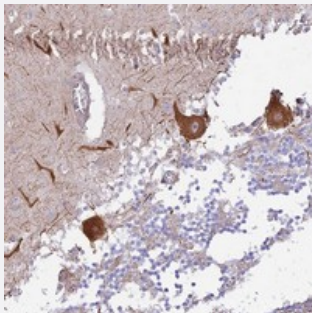
Catalog # PAB24069 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: Human Plasma, Lane 4: Liver, Lane 5: Tonsil with KCNAB1 polyclonal antibody (Cat # PAB24069) at 1:250-1:500 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human cerebellum with KCNAB1 polyclonal antibody (Cat # PAB24069) shows strong cytoplasmic positivity in Purkinje cells at 1:50-1:200 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant KCNAB1.
Immunogen	Recombinant protein corresponding to amino acids of human KCNAB1.
Sequence	GSQISEENTKLRRQSGFSVAGKDKSPKKASENAKDSSLSPSGESQLRARQLALLREVEMNWYL KLCDLSSEHTTVCTTGM
Host	Rabbit
Reactivity	Human
Form	Liquid

Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:250-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: Human Plasma, Lane 4: Liver, Lane 5: Tonsil with KCNAB1 polyclonal antibody (Cat # PAB24069) at 1:250-1:500 dilution.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human cerebellum with KCNAB1 polyclonal antibody (Cat # PAB24069) shows strong cytoplasmic positivity in purkinje cells at 1:50-1:200 dilution.

Gene Info — KCNAB1

Entrez GeneID	7881
Protein Accession#	Q14722
Gene Name	KCNAB1
Gene Alias	AKR6A3, KCNA1B, KV-BETA-1, Kvb1.3, hKvBeta3, hKvb3
Gene Description	potassium voltage-gated channel, shaker-related subfamily, beta member 1
Omim ID	601141
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 includes three distinct isoforms which are encoded by three alternatively spliced transcript variants of this gene. These three isoforms are beta subunits, which form heteromultimeric complex with alpha subunits and modulate the activity of the pore-forming alpha subunits. [provided by RefSeq]

Other Designations

potassium channel beta 3 chain|potassium channel beta3 subunit|potassium channel shaker chain beta 1a|potassium voltage-gated channel beta subunit|voltage-gated potassium channel beta-1 subunit

Disease

- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Seizures](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)