

Rabbit KCNA1 Polyclonal Antibody | anti-KCNA1 antibody

KCNA1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290372	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

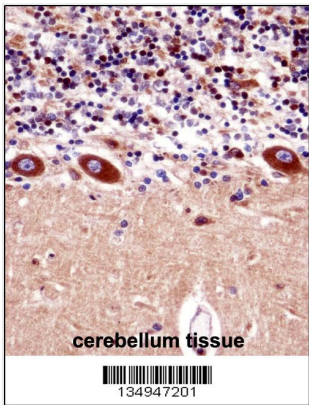
PRODUCT SYNONYMS

KCNA1; Polyclonal Antibody; KCNA1 Antibody (Center); Potassium voltage-gated channel subfamily A member 1; Voltage-gated K(+) channel HuK1; Voltage-gated potassium channel HBK1; Voltage-gated potassium channel subunit Kv11; anti-KCNA1 antibody

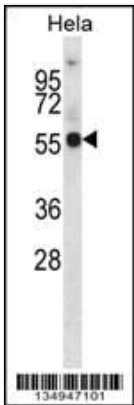
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KCNA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 172-201 amino acids from the Central region of human KCNA1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.3 (varies by lot)
Sequence Positions	172-201
Sequence Length	495
Applicable Applications for anti-KCNA1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
KCNA1 Antibody (Center) (AAA290372)immunohistochemistry analysis in formalin fixed and paraffin embedded human cerebellum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of KCNA1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
KCNA1 Antibody (Center) western blot analysis in HeLa cell line lysates (35ug/lane).This demonstrates the KCNA1 antibody detected the KCNA1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-KCNA1 antibody	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 filter motif (GYGD). The functional channel is a homotetramer. The N-terminus of the channel is associated with beta subunits that can modify the inactivation properties of the channel as well as affect 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 with periodic ataxia (AEMK).
Product Categories/Family for anti-KCNA1 antibody	Neuroscience
References	Graves, T.D., et al. Neurology 75(4):367-372(2010) Bailey, S.D., et al. Diabetes Care (2010) In press : van der Wijst, J., et al. J. Biol. Chem. 285(1):171-178(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Kim, E., et al. Nature 378(6552):85-88(1995)

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395748
NCBI GeneID	3736
NCBI Accession #	NP_000208.2
NCBI GenBank Nucleotide #	NM_000217.2
UniProt Accession #	Q09470; Q3MIQ9; A6NM83
Molecular Weight	56466
NCBI Official Full Name	potassium voltage-gated channel subfamily A member 1
NCBI Official Synonym Full Names	potassium channel, voltage gated shaker related subfamily A, member 1
NCBI Official Symbol	KCNA1

NCBI Official Synonym Symbols	EA1; MK1; AEMK; HBK1; HUK1; MBK1; RBK1; KV1.1
NCBI Protein Information	potassium voltage-gated channel subfamily A member 1
UniProt Protein Name	Potassium voltage-gated channel subfamily A member 1
UniProt Gene Name	KCNA1
UniProt Entry Name	KCNA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kcna1-antibody-immunohistochemistry-western-blot-elisa/290372>