

Rabbit KCNC1 Polyclonal Antibody | anti-KCNC1 antibody

KCNC1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289440	Rabbit	Human (Predicted Reactivity: Mouse)	Immunohistochemistry, ELISA, Western Blot

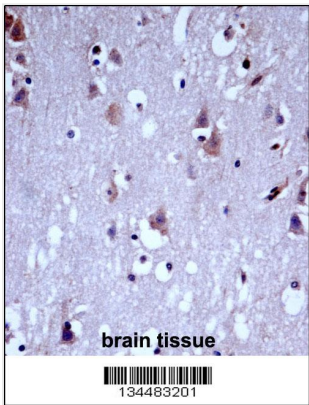
PRODUCT SYNONYMS

KCNC1; Polyclonal Antibody; KCNC1 Antibody (C-term); Potassium voltage-gated channel subfamily C member 1; NGK2; Voltage-gated potassium channel subunit Kv31; Voltage-gated potassium channel subunit Kv4; anti-KCNC1 antibody

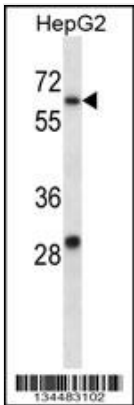
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KCNC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 479-508 amino acids from the C-terminal region of human KCNC1.
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: 0.35 (varies by lot)
Sequence Positions	479-508
Sequence Length	585
Applicable Applications for anti-KCNC1 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)
KCNC1 Antibody (C-term) (AAA289440)immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of KCNC1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
KCNC1 Antibody (C-term) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the KCNC1 antibody detected the KCNC1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-KCNC1 antibody	The Shaker gene family of Drosophila encodes components of voltage-gated potassium channels and is comprised of four subfamilies. Based on sequence similarity, this gene is similar to one of these subfamilies, namely the Shaw subfamily. The protein encoded by this gene belongs to the delayed rectifier class of channel proteins and is an integral membrane protein that mediates the voltage-dependent potassium ion permeability of excitable membranes. Multiple transcript variants encoding different isoforms have been inferred for this gene based on orthologous loci.
Product Categories/Family for anti-KCNC1 antibody	Neuroscience
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Wang, Z., et al. J. Gen. Physiol. 133(4):361-374(2009) Gutman, G.A., et al. Pharmacol. Rev. 57(4):473-508(2005) Devaux, J., et al. J. Neurosci. 23(11):4509-4518(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826786
NCBI GeneID	3746
NCBI Accession #	NP_004967.1
NCBI GenBank Nucleotide #	NM_004976.4
UniProt Accession #	P48547; K4DI87
Molecular Weight	57942
NCBI Official Full Name	potassium voltage-gated channel subfamily C member 1 isoform 2
NCBI Official Synonym Full Names	potassium channel, voltage gated Shaw related subfamily C, member 1
NCBI Official Symbol	KCNC1
NCBI Official Synonym Symbols	KV4; EPM7; NGK2; KV3.1
NCBI Protein Information	potassium voltage-gated channel subfamily C member 1

UniProt Protein Name	Potassium voltage-gated channel subfamily C member 1
UniProt Gene Name	KCNC1
UniProt Entry Name	KCNC1_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/kcnc1-antibody-immunohistochemistry-western-blot-elisa/289440>