

Rabbit KCNG1 Polyclonal Antibody | anti-KCNG1 antibody

KCNG1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197981	Rabbit	Tested: Human Predicted: Cow, Dog, Guinea Pig, Horse, Mouse, Rabbit, Rat	Western Blot

PRODUCT SYNONYMS

KCNG1; Polyclonal Antibody; KCNG1 antibody - N-terminal region; anti-KCNG1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested: Human Predicted: Cow, Dog, Guinea Pig, Horse, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	Batch dependent within range: 100 ul at 0.5 - 1 mg/ml (varies by lot)
Sequence	Synthetic peptide located within the following region: YD VTCNEFFFD R NPGAFGTILT FLRAGKLRL R REMCALS FQ ELL YWGIA
Sequence Length	513
Applicable Applications for anti-KCNG1 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 93%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human KCNG1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

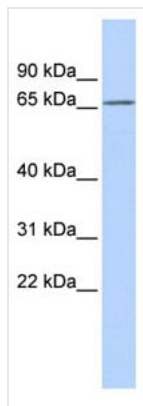
IMAGES


WB (Western Blot)

Host: Rabbit
Target Name: KCNG1
Sample Tissue: Human PANC1 Whole Cell
Antibody Dilution: 1 µg/ml

WB (Western Blot)

Host: Rabbit
Target Name: KCNG1
Sample Tissue: Human HepG2 Whole Cell
Antibody Dilution: 1 µg/ml



WB (Western Blot)
 WB Suggested Anti-KCNG1 Antibody Titration: 0.2-1 ug/ml
 ELISA Titer: 1:62500
 Positive Control: MCF7 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-KCNG1 antibody	This is a rabbit polyclonal antibody against KCNG1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: Voltage-gated potassium (Kv) 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. KCNG1 is a member of the potassium channel, voltage-gated, subfamily G. Voltage-gated potassium (Kv) 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. This gene encodes a member of the potassium channel, voltage-gated, subfamily G. This gene is abundantly expressed in skeletal muscle. Alternative splicing results in at least two transcript variants encoding distinct isoforms. Voltage-gated potassium (Kv) 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. This gene encodes a member of the potassium channel, voltage-gated, subfamily G. This gene is abundantly expressed in skeletal muscle. Multiple alternatively spliced transcript variants have been found in normal and cancerous tissues.
Product Categories/Family for anti-KCNG1 antibody	Polyclonal; Ion Channel; Membrane Protein; Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	27436988
NCBI GeneID	3755
NCBI Accession #	NP_002228
NCBI GenBank Nucleotide #	NM_002237
UniProt Accession #	Q9UIX4
Molecular Weight	58kDa
NCBI Official Full Name	potassium voltage-gated channel subfamily G member 1
NCBI Official Synonym Full Names	potassium voltage-gated channel modifier subfamily G member 1
NCBI Official Symbol	KCNG1
NCBI Official Synonym Symbols	K13; kH2; KCNG; KV6.1
NCBI Protein Information	potassium voltage-gated channel subfamily G member 1

UniProt Protein Name	Potassium voltage-gated channel subfamily G member 1
UniProt Gene Name	KCNG1
UniProt Entry Name	KCNG1_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://www.aaabiotech.com/polyclonal/kcng1-antibody-western-blot-elisa/197981>