

Rabbit KCNQ1 Polyclonal Antibody | anti-KCNQ1 antibody

KCNQ1 antibody - N-terminal region

CATALOG # AAA197895	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

KCNQ1; Polyclonal Antibody; KCNQ1 antibody - N-terminal region; anti-KCNQ1 antibody

PRODUCT SPECIFICATIONS

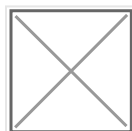
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: RS KYVGLWGRLR FARKPISID LIVVASMVV LCVGSKGQVF ATSAIRGI
Sequence Length	586
Applicable Applications for anti-KCNQ1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 92%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human KCNQ1
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.

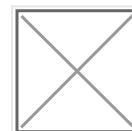
IMAGES


WB (Western Blot)

WB Suggested Anti-KCNQ1 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:312500
Positive Control: Human Liver

WB (Western Blot)

Lanes: 100 ug CHO cell lysate
Primary Antibody Dilution: 1:1000
Secondary Antibody: Goat anti-rabbit HRP
Secondary Antibody Dilution: 1:25000
Gene Name: KCNQ1
Submitted by: Anonymous

WB (Western Blot)

Host: Mouse
Target Name: KCNQ1
Sample Tissue: Mouse Brain
Antibody Dilution: 1ug/ml

IHC (Immunohistochemistry)

Kidney

ADDITIONAL INFORMATION

Related Product Information for anti-KCNQ1 antibody	This is a rabbit polyclonal antibody against KCNQ1. 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.
Product Categories/Family for anti-KCNQ1 antibody	Polyclonal; Cardiovascular; Stem Cells; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	32479523
NCBI GeneID	3784
NCBI Accession #	NP_861462
NCBI GenBank Nucleotide #	NM_181797
UniProt Accession #	P51787
Molecular Weight	64kDa
NCBI Official Synonym Full Names	potassium voltage-gated channel subfamily Q member 1
NCBI Official Symbol	KCNQ1
NCBI Official Synonym Symbols	LQT; RWS; WRS; LQT1; SQT2; ATFB1; ATFB3; JLNS1; KCNA8; KCNA9; Kv1.9; Kv7.1; KVLQT1
NCBI Protein Information	potassium voltage-gated channel subfamily KQT member 1
UniProt Protein Name	Potassium voltage-gated channel subfamily KQT member 1
UniProt Gene Name	KCNQ1
UniProt Synonym Gene Names	KCNA8; KCNA9; KVLQT1
UniProt Entry Name	KCNQ1_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.