

Rabbit KCNQ1 Polyclonal Antibody | anti-KCNQ1 antibody

KCNQ1 antibody - N-terminal region

CATALOG # AAA197991	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	APPLICATIONS Western Blot
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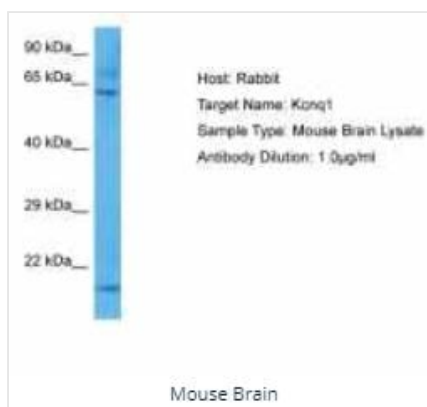
PRODUCT SYNONYMS

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

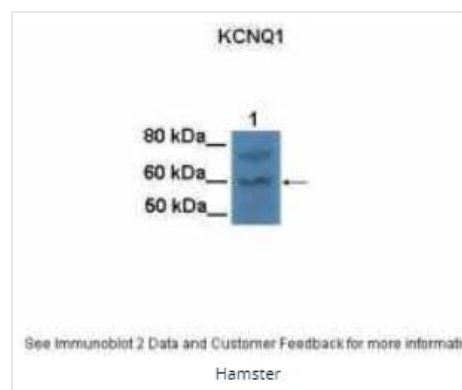
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide located within the following region: IV VVASMVLCV GSKGQVFATS AIRGIRFLQI LRMLHVDRQG GTWRLGGS
Sequence Length	549
Applicable Applications for anti-KCNQ1 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 93%
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

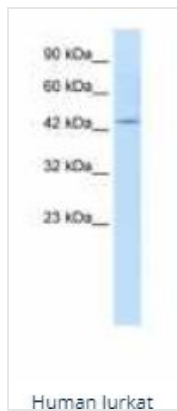


WB (Western Blot)

WB Suggested Anti-KCNQ1 Antibody Titration: 1.25ug/ml
ELISA Titer: 1:62500
Positive Control: Jurkat cell lysate


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

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: KCNQ1 encodes a protein for a voltage-gated potassium channel required for the repolarization phase of the cardiac action potential. The gene product can form heteromultimers with two other potassium channel proteins, KCNE1 and KCNE3. Mutations in KCNQ1 are associated with hereditary long QT syndrome, Romano-Ward syndrome, Jervell and Lange-Nielsen syndrome and familial atrial fibrillation.
Product Categories/Family for anti-KCNQ1 antibody	Polyclonal; Signal Proteins; E3 & Ubiquitin; Disease Related

NCBI AND UNIPROT INFORMATION

NCBI GI #	32479525
NCBI GeneID	3784
NCBI Accession #	NP_861463
NCBI GenBank Nucleotide #	NM_181798
UniProt Accession #	P51787
Molecular Weight	60kDa
NCBI Official Full Name	potassium voltage-gated channel subfamily KQT member 1 isoform 2
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.

