

Rabbit KCNQ1 Polyclonal Antibody | anti-KCNQ1 antibody

KCNQ1 Antibody (Center)

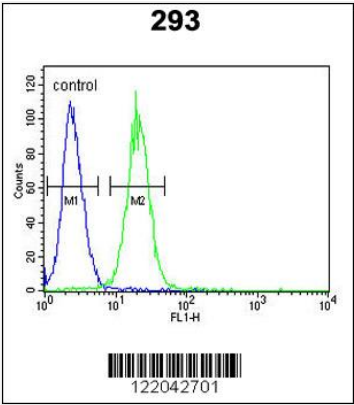
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288989	Rabbit	Human, mouse (Predicted Reactivity: Rat)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

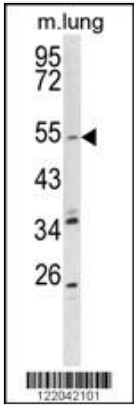
KCNQ1; Polyclonal Antibody; KCNQ1 Antibody (Center); Potassium voltage-gated channel subfamily KQT member 1; IKs producing slow voltage-gated potassium channel subunit alpha KvLQT1; KQT-like 1; Voltage-gated potassium channel subunit Kv71; KCNA8; KCNA9; KVLQT1; anti-KCNQ1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KCNQ1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 513-540 amino acids from the Central region of human KCNQ1.
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: 0.344 (varies by lot)
Sequence Positions	513-540
Sequence Length	549
Applicable Applications for anti-KCNQ1 antibody	FCM/FACS (Flow Cytometry), 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.



FCM/FACS (Flow Cytometry)
KCNQ1 Antibody (Center) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of KCNQ1 Antibody (Center) in mouse lung tissue lysates (35ug/lane). KCNQ1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-KCNQ1 antibody	KCNQ1 is 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.
Product Categories/Family for anti-KCNQ1 antibody	Cardiovascular; Neuroscience; Signal Transduction
References	Holm,H., et.al., Nat. Genet. 42 (2), 117-122 (2010) Ohshige,T., et. al., Diabetes Care (2010) In press

NCBI AND UNIPROT INFORMATION

NCBI GI #	32479527
NCBI GeneID	3784
NCBI Accession #	NP_000209.2
NCBI GenBank Nucleotide #	NM_000218.2
UniProt Accession #	P51787; O00347; O60607; O94787; Q14D14; Q7Z6G9; Q92960; Q9UMN8; Q9UMN9
Molecular Weight	74699
NCBI Official Full Name	potassium voltage-gated channel subfamily KQT member 1 isoform 1
NCBI Official Synonym Full Names	potassium channel, voltage gated KQT-like 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/kcnq1-antibody-flow-cytometry-western-blot-elisa/288989>