

Product datasheet for **TA337729**

KCNQ1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human, Mouse, Hamster
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-KCNQ1 antibody: synthetic peptide directed towards the N terminal of human KCNQ1. Synthetic peptide located within the following region: RSKYVGLWGRLRFARKPISIIDLIVVASMVVLVCGSKGQVFATSAIRGI
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	64 kDa
Gene Name:	potassium voltage-gated channel subfamily Q member 1
Database Link:	NP_861462 Entrez Gene 16535 Mouse Entrez Gene 3784 Human P51787



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Background:

This gene encodes a voltage-gated potassium channel required for repolarization phase of the cardiac action potential. This protein can form heteromultimers with two other potassium channel proteins, KCNE1 and KCNE3. Mutations in this gene are associated with hereditary long QT syndrome 1 (also known as Romano-Ward syndrome), Jervell and Lange-Nielsen syndrome, and familial atrial fibrillation. This gene exhibits tissue-specific imprinting, with preferential expression from the maternal allele in some tissues, and biallelic expression in others. This gene is located in a region of chromosome 11 amongst other imprinted genes that are associated with Beckwith-Wiedemann syndrome (BWS), and itself has been shown to be disrupted by chromosomal rearrangements in patients with BWS. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Aug 2011]

Synonyms:

ATFB1; FLJ26167; JLNS1; KCNA8; KCNA9; Kv1.9; Kv7.1; KVLQT1; LQT; LQT1; RWS; SQT2; WRS

Note:

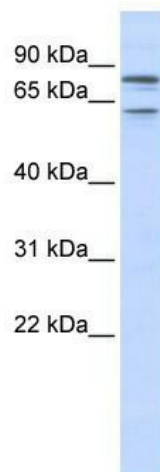
Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 92%

Protein Families:

Druggable Genome, Ion Channels: Potassium, Transmembrane

Protein Pathways:

Vibrio cholerae infection

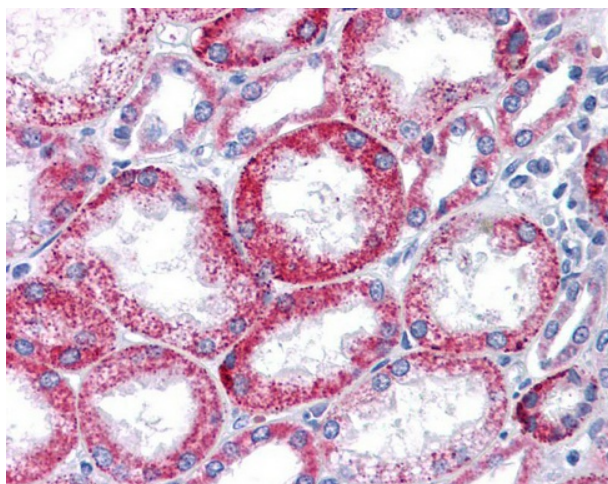
Product images:

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

KCNQ1



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;



Kidney