

## Goat KCNQ1 Polyclonal Antibody | anti-KCNQ1 antibody

Goat anti-KCNQ1 Antibody

| CATALOG # | HOST | REACTIVITY                                                                           | APPLICATIONS                              |
|-----------|------|--------------------------------------------------------------------------------------|-------------------------------------------|
| AAA61393  | Goat | Tested: Human, Rat<br>Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow | Immunohistochemistry, Western Blot, ELISA |

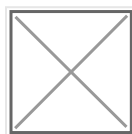
### PRODUCT SYNONYMS

KCNQ1; Polyclonal Antibody; Goat anti-KCNQ1 Antibody; potassium voltage-gated channel; KQT-like subfamily; member 1; ATFB1; FLJ26167; JLNS1; KCNA8; KCNA9; KVLQT1; Kv1.9; Kv7.1; LQT; LQT1; RWS; SQT2; WRS; Jervell and Lange-Nielsen syndrome 1; kidney and cardiac voltage dependend K+ channel; long (elect; KCNQ1 antibody; member 1 antibody; ATFB1 antibody; FLJ26167 antibody; JLNS1 antibody; KCNA8 antibody; KCNA9 antibody; KVLQT1 antibody; Kv1.9 antibody; Kv7.1 antibody; LQT antibody; LQT1 antibody; RWS antibody; SQT2 antibody; WRS antibody; Jervell and Lange-Nielsen syndrome 1 antibody; kidney and cardiac voltage dependend K+ channel antibody; long (electrocardiographic) QT syndrome; Ward-Romano syndrome 1 antibody; slow delayed rectifier channel subunit antibody; anti-KCNQ1 antibody

### PRODUCT SPECIFICATIONS

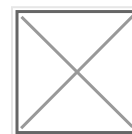
|                                                 |                                                                                                                                       |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Goat                                                                                                                                  |
| Reactivity                                      | Tested: Human, Rat<br>Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow                                                  |
| Clonality                                       | Polyclonal                                                                                                                            |
| Purity/Purification                             | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Form/Format                                     | Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.                                       |
| Concentration                                   | 100ug specific antibody in 200ul (varies by lot)                                                                                      |
| Sequence                                        | EQLTVPRRGPD EGS                                                                                                                       |
| Sequence Length                                 | 676                                                                                                                                   |
| Applicable Applications for anti-KCNQ1 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA (Peptide ELISA)                                                                  |
| Immunogen                                       | Peptide with sequence C-EQLTVPRRGPD EGS, from the C Terminus of the protein sequence according to NP_000209.2; NP_861463.1.           |
| Note                                            | This antibody is expected to recognize both reported isoforms (NP_000209.2; NP_861463.1).                                             |
| Santa Cruz Alternative                          | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-10646                                                         |
| Preparation and Storage                         | Aliquot and store at -20°C. Minimize freezing and thawing.                                                                            |

### IMAGES



#### Application Data

AAA61393 Negative Control showing staining of paraffin embedded Rat Liver, with no primary antibody



#### Application Data

AAA61393 (8ug/ml) staining of paraffin embedded Rat Liver. Heat induced antigen retrieval with citrate buffer Ph6, HRP-staining.



**WB (Western Blot)**

1ug/ml) staining of Human Heart lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**NCBI AND UNIPROT INFORMATION**

|                                  |                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------|
| NCBI GI #                        | 32479527                                                                           |
| NCBI GeneID                      | 3784                                                                               |
| NCBI Accession #                 | NP_000209.2; NP_861463.1                                                           |
| NCBI GenBank Nucleotide #        | NM_000218.2                                                                        |
| NCBI Official Full Name          | potassium voltage-gated channel subfamily KQT member 1 isoform 1                   |
| 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                | <b>KCNQ1</b>                                                                       |
| 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.

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