

## Anti-KCNE3 antibody

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| <b>Description</b>        | Unconjugated Rabbit polyclonal to KCNE3                                                                                                                          |
| <b>Model</b>              | STJ191186                                                                                                                                                        |
| <b>Host</b>               | Rabbit                                                                                                                                                           |
| <b>Reactivity</b>         | Human, Mouse, Rat                                                                                                                                                |
| <b>Applications</b>       | ELISA, WB                                                                                                                                                        |
| <b>Immunogen</b>          | Synthesized peptide derived from human KCNE3 protein.                                                                                                            |
| <b>Immunogen Region</b>   | 30-110aa                                                                                                                                                         |
| <b>Gene ID</b>            | <a href="#">10008</a>                                                                                                                                            |
| <b>Gene Symbol</b>        | <a href="#">KCNE3</a>                                                                                                                                            |
| <b>Dilution range</b>     | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                 |
| <b>Specificity</b>        | KCNE3 Polyclonal Antibody detects endogenous levels of protein.                                                                                                  |
| <b>Tissue Specificity</b> | Expressed in hippocampal neurons (at protein level) . Widely expressed with highest levels in kidney and moderate levels in small intestine.                     |
| <b>Purification</b>       | KCNE3 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                          |
| <b>Note</b>               | For Research Use Only (RUO).                                                                                                                                     |
| <b>Protein Name</b>       | Potassium voltage-gated channel subfamily E member 3 MinK-related peptide 2 Minimum potassium ion channel-related peptide 2 Potassium channel subunit beta MiRP2 |
| <b>Molecular Weight</b>   | 11 kDa                                                                                                                                                           |

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| <b>Clonality</b>             | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Conjugation</b>           | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Isotype</b>               | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Formulation</b>           | Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Concentration</b>         | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage Instruction</b>   | Store at -20°C, and avoid repeat freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Database Links</b>        | <a href="#">HGNC:6243</a> <a href="#">OMIM:604433</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Alternative Names</b>     | Potassium voltage-gated channel subfamily E member 3 MinK-related peptide 2 Minimum potassium ion channel-related peptide 2 Potassium channel subunit beta MiRP2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Function</b>              | Ancillary protein that assembles as a beta subunit with a voltage-gated potassium channel complex of pore-forming alpha subunits. Modulates the gating kinetics and enhances stability of the channel complex. Assembled with KCNB1 modulates the gating characteristics of the delayed rectifier voltage-dependent potassium channel KCNB1 . Associated with KCNC4/Kv3.4 is proposed to form the subthreshold voltage-gated potassium channel in skeletal muscle and to establish the resting membrane potential (RMP) in muscle cells. Associated with KCNQ1/KCLQT1 may form the intestinal cAMP-stimulated potassium channel involved in chloride secretion that produces a current with nearly instantaneous activation with a linear current-voltage relationship. |
| <b>Cellular Localization</b> | Cell membrane Cytoplasm Perikaryon Cell projection, dendrite Membrane raft. Colocalizes with KCNB1 at high-density somatodendritic clusters on the surface of hippocampal neurons.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |