

## **KCNE3 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP54587

### **Specification**

## **KCNE3 Polyclonal Antibody - Product Information**

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW

WB, IHC-P, IHC-F, IF, ICC <u>09Y6H6</u>

Rat, Pig, Dog, Bovine Rabbit Polyclonal 11710

# **KCNE3 Polyclonal Antibody - Additional Information**

### Gene ID 10008

#### **Other Names**

Potassium voltage-gated channel subfamily E member 3, MinK-related peptide 2, Minimum potassium ion channel-related peptide 2, Potassium channel subunit beta MiRP2, KCNE3

#### **Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

#### **Storage**

Store at -20  $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4  $^{\circ}$ C.

### **KCNE3 Polyclonal Antibody - Protein Information**

## Name KCNE3

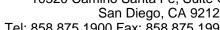
#### **Function**

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 (PubMed:<a href="http://www.uniprot.org/citations/12954870" target="\_blank">12954870</a>). 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

## **Cellular Location**

current-voltage relationship.

Cell membrane; Single-pass type I membrane protein. Cytoplasm. Perikaryon. Cell projection, dendrite. Membrane raft. Note=Colocalizes with KCNB1 at high- density somatodendritic clusters on the surface of hippocampal neurons





## **Tissue Location**

Expressed in hippocampal neurons (at protein level) (PubMed:12954870). Widely expressed with highest levels in kidney and moderate levels in small intestine.

## **KCNE3 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

**KCNE3 Polyclonal Antibody - Images**