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KCNE3 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54587

Specification

KCNE3 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, ICC**
Primary Accession	Q9Y6H6
Reactivity	**Rat, Pig, Dog, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**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 ℃ 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 ℃.

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:12954870). 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.

Cellular Location
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
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KCNE3 Polyclonal Antibody - Images