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KCNE1L Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59426

Specification

KCNE1L Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, E**
Primary Accession	Q9UJ90
Reactivity	**Rat, Pig, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**15 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human KCNE1L**
Epitope Specificity	**11-110/142**
Isotype	**IgG**

Purity
affinity purified by Protein A

Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Plasma membrane; Single-pass type I membrane protein.**
SIMILARITY	**Belongs to the potassium channel KCNE family.**
DISEASE	**Defects in KCNE1L are involved in Alport syndrome with mental retardation midface hypoplasia and elliptocytosis (ATS-MR) [MIM:300194]. A X-linked contiguous gene deletion syndrome characterized by glomerulonephritis, deafness, mental retardation, midface hypoplasia and elliptocytosis.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
KCNE1L belongs to the potassium channel KCNE family which represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume.

KCNE1L Polyclonal Antibody - Additional Information

Gene ID 23630

Other Names
Potassium voltage-gated channel subfamily E regulatory beta subunit 5, AMME syndrome

candidate gene 2 protein, Potassium channel subunit beta MiRP4, Potassium voltage-gated channel subfamily E member 1-like protein, KCNE5, AMMECR2, KCNE1L {ECO:0000303|PubMed:10493825}

Target/Specificity
Highly expressed in heart, skeletal muscle, brain, spinal cord and placenta.

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

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 ℃.

KCNE1L Polyclonal Antibody - Protein Information

Name KCNE5

Synonyms AMMECR2, KCNE1L {ECO:0000303|PubMed:1049

Function
Potassium channel ancillary subunit that is essential for generation of some native K(+) currents by virtue of formation of heteromeric ion channel complex with voltage-gated potassium (Kv) channel pore-forming alpha subunits. Functions as an inhibitory beta- subunit of the repolarizing cardiac potassium ion channel KCNQ1.

Cellular Location
Membrane; Single- pass type I membrane protein

Tissue Location
Highly expressed in heart, skeletal muscle, brain, spinal cord and placenta.

KCNE1L 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

KCNE1L Polyclonal Antibody - Images

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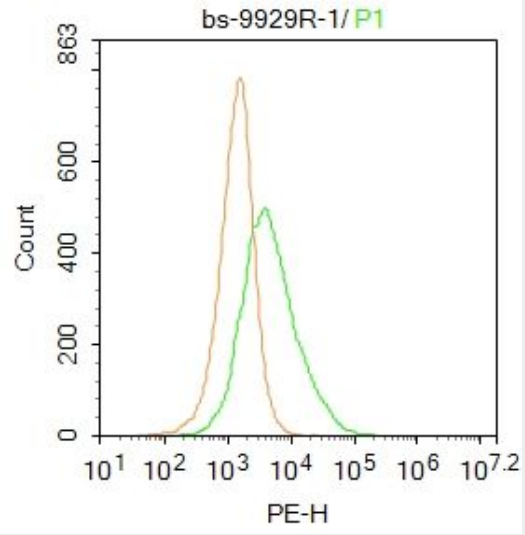

Blank control: Hela.
Primary Antibody (green line): Rabbit Anti-KCNE1L antibody (bs-9929R)
Dilution: 1 µg /10^6 cells;
Isotype Control Antibody (orange line): Rabbit IgG .
Secondary Antibody : Goat anti-rabbit IgG-PE
Dilution: 1 µg /test.
Protocol
The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 20% PBST for 20 min atroom temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.