10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KCNJ18 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56456

Specification

KCNJ18 Polyclonal Antibody - Product Information

Application	**IHC-P, IHC-F, IF, ICC, E**
Primary Accession	B7U540
Reactivity	**Rat, Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**49 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human KCNJ18**
Epitope Specificity	**81-180/433**
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	**Cell Membrane**
SIMILARITY	**Belongs to the inward rectifier-type potassium channel (TC 1.A.2.1) family. KCNJ12 subfamily.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium.

KCNJ18 Polyclonal Antibody - Additional Information

Gene ID 100134444

Other Names
Inward rectifier potassium channel 18, Inward rectifier K(+) channel Kir2.6, Potassium channel, inwardly rectifying subfamily J member 18, KCNJ18

Target/Specificity
Specifically expressed in skeletal muscle.

Dilution
IHC-P~~N/A<br \><span class

="dilution_IHC-F">IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<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 ℃.

KCNJ18 Polyclonal Antibody - Protein Information

Name KCNJ18

Function
Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium.

Cellular Location
Cell membrane; Multi-pass membrane protein. Endoplasmic reticulum

Tissue Location
Specifically expressed in skeletal muscle.

KCNJ18 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

KCNJ18 Polyclonal Antibody - Images