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

KCNJ6 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5852c

Specification

KCNJ6 Antibody (Center) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	P48051
Other Accession	P48550, P48542, NP_002231.1
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**48451**
Antigen Region	**26-55**

KCNJ6 Antibody (Center) - Additional Information

Gene ID 3763

Other Names
G protein-activated inward rectifier potassium channel 2, GIRK-2, BIR1, Inward rectifier K(+) channel Kir32, KATP-2, Potassium channel, inwardly rectifying subfamily J member 6, KCNJ6, GIRK2, KATP2, KCNJ7

Target/Specificity
This KCNJ6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 26-55 amino acids from the Central region of human KCNJ6.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
KCNJ6 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

KCNJ6 Antibody (Center) - Protein Information

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Name KCNJ6

Synonyms GIRK2, KATP2, KCNJ7

Function This potassium channel may be involved in the regulation of insulin secretion by glucose and/or neurotransmitters acting through G- protein-coupled receptors. 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
Membrane; Multi-pass membrane protein.

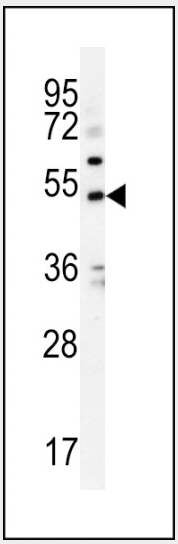
Tissue Location
Most abundant in cerebellum, and to a lesser degree in islets and exocrine pancreas

KCNJ6 Antibody (Center) - Protocols

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

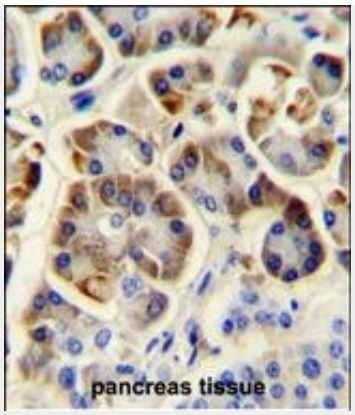
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KCNJ6 Antibody (Center) - Images

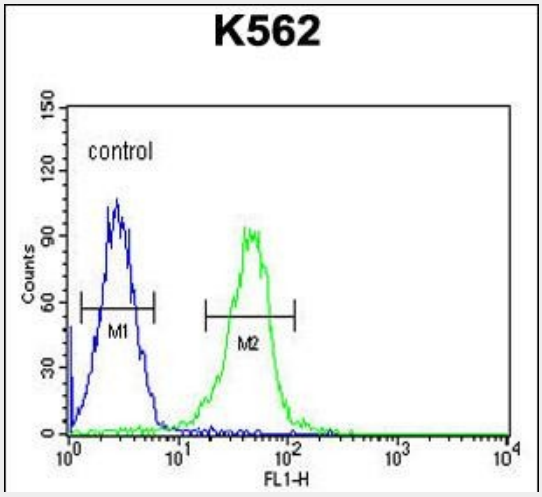


KCNJ6 Antibody (Center) (Cat. #AP5852c) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the KCNJ6 antibody detected the KCNJ6 protein (arrow).

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KCNJ6 Antibody (Center) (Cat. #AP5852c) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the KCNJ6 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



KCNJ6 Antibody (Center) (Cat. #AP5852c) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.