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

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	P48051
Other Accession	P48550, P48542, NP_002231.1
Reactivity	Human, Rat, Mouse
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB21716
Calculated MW	48451
Antigen Region	26-55

Additional Information

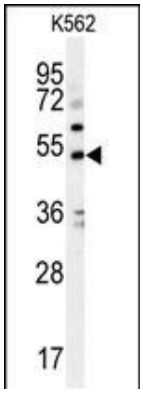
Gene ID	3763
Other Names	G protein-activated inward rectifier potassium channel 2, GIRK-2, BIR1, Inward rectifier K(+) channel Kir32, KATP-2, Potassium channel, inwardly rectifying subfamily J member 6, KCNJ6, GIRK2, KATP2, KCNJ7
Target/Specificity	This KCNJ6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 26-55 amino acids from the Central region of human KCNJ6.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
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.

Protein Information

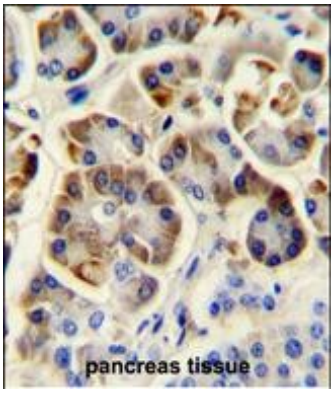
Name	KCNJ6

Synonyms	GIRK2, KATP2, KCNJ7
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. This potassium channel may be involved in the regulation of insulin secretion by glucose and/or neurotransmitters acting through G protein-coupled receptors.
Cellular Location	Membrane; Multi-pass membrane protein
Tissue Location	Most abundant in cerebellum, and to a lesser degree in islets and exocrine pancreas.

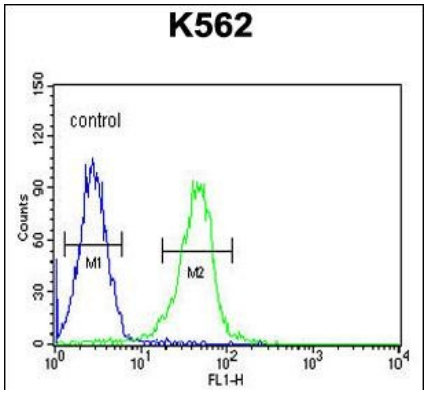
Images



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).



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.