

Rabbit KCNJ6 Polyclonal Antibody | anti-KCNJ6 antibody

KCNJ6 Antibody (Center)

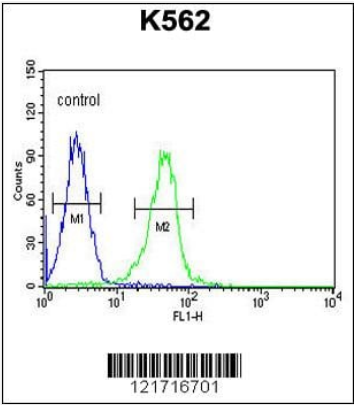
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290339	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

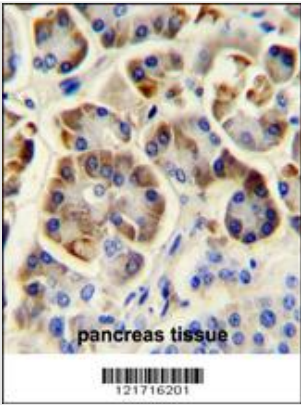
KCNJ6; Polyclonal Antibody; KCNJ6 Antibody (Center); G protein-activated inward rectifier potassium channel 2; GIRK-2; BIR1; Inward rectifier K(+) channel Kir32; KATP-2; Potassium channel; inwardly rectifying subfamily J member 6; GIRK2; KATP2; KCNJ7; anti-KCNJ6 antibody

PRODUCT SPECIFICATIONS

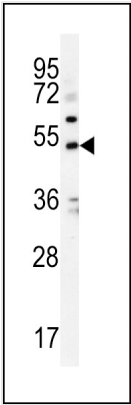
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KCNJ6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 26-55 amino acids from the Central region of human KCNJ6.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence Positions	26-55
Sequence Length	423
Applicable Applications for anti-KCNJ6 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Calculated MW	48451
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. Theiroltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to morepositive 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
Preparation and 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.



FCM/FACS (Flow Cytometry)
KCNJ6 Antibody (Center) 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.



IHC (Immunohiostchemistry)
KCNJ6 Antibody (Center) 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.



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

ADDITIONAL INFORMATION

Product Categories/Family for anti-KCNJ6 antibody	Neuroscience
---	--------------

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504843
NCBI GeneID	3763
NCBI Accession #	NP_002231.1
NCBI GenBank Nucleotide #	NM_002240.4
UniProt Accession #	P48051; Q3MJ74; Q53WW6
NCBI Official Full Name	G protein-activated inward rectifier potassium channel 2
NCBI Official Synonym Full Names	potassium channel, inwardly rectifying subfamily J, member 6
NCBI Official Symbol	KCNJ6
NCBI Official Synonym Symbols	BIR1; GIRK2; KATP2; KCNJ7; KPLBS; GIRK-2; KATP-2; KIR3.2; hiGIRK2

NCBI Protein Information	G protein-activated inward rectifier potassium channel 2
UniProt Protein Name	G protein-activated inward rectifier potassium channel 2
UniProt Gene Name	KCNJ6
UniProt Synonym Gene Names	GIRK2; KATP2; KCNJ7; GIRK-2
UniProt Entry Name	KCNJ6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/kcnj6-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/290339>