

Rabbit anti-Human KIR3.4 Polyclonal Antibody | anti-KCNJ5 antibody

KIR3.4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322551	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

KIR3.4; Polyclonal Antibody; KIR3.4 Antibody; Cardiac ATP sensitive potassium channel; Cardiac inward rectifier; CIR; G protein activated inward rectifier potassium channel 4; G protein-activated inward rectifier potassium channel 4; GIRK 4; GIRK-4; GIRK4; Heart KATP channel; Inward rectifier K(+) channel Kir3.4; Inward rectifier K+ channel KIR3.4; Inward rectifier potassium channel KIR3.4; inwardly rectifying subfamily J member 5; IRK-4; IRK5_HUMAN; KATP 1; KATP-1; KATP1; KCNJ 5; Kcnj5; KIR 3.4; LQT13; Potassium channel; Potassium channel inwardly rectifying subfamily J member 5; Potassium inwardly rectifying channel J5; Potassium inwardly rectifying channel subfamily J member 5; potassium voltage-gated channel subfamily J member 5; anti-KCNJ5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	KIR3.4 antibody detects endogenous levels of total KIR3.4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	419
Applicable Applications for anti-KCNJ5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human KIR3.4
Subcellular Location	Membrane.
Tissue Specificity	Islets, exocrine pancreas and heart. Expressed in the adrenal cortex, particularly the zona glomerulosa.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322551 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of KIR3.4 using HeLa whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-KCNJ5 antibody	Function: This potassium channel is controlled by G proteins. 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. Can be blocked by external barium. Subunit Structure: May associate with GIRK1 and GIRK2 to form a G-protein-activated heteromultimer pore-forming unit. The resulting inward current is much larger. Similarity: Belongs to the inward rectifier-type potassium channel (TC 1.A.2.1) family. KCNJ5 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24797141
NCBI GeneID	3762
NCBI Accession #	NP_000881.3
NCBI GenBank Nucleotide #	NM_000890.4
UniProt Accession #	P48544; Q6DK13; Q6DK14; Q92807; B2R744
Molecular Weight	Observed: 48 kDa Predicted: 48 kDa
NCBI Official Full Name	G protein-activated inward rectifier potassium channel 4
NCBI Official Synonym Full Names	potassium voltage-gated channel subfamily J member 5
NCBI Official Symbol	KCNJ5
NCBI Official Synonym Symbols	CIR; GIRK4; KATP1; LQT13; KIR3.4
NCBI Protein Information	G protein-activated inward rectifier potassium channel 4
UniProt Protein Name	G protein-activated inward rectifier potassium channel 4
UniProt Gene Name	KCNJ5
UniProt Synonym Gene Names	GIRK4; GIRK-4; CIR; IRK-4

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.