

Rabbit KCNJ9 Polyclonal Antibody | anti-KCNJ9 antibody

KCNJ9 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324733	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

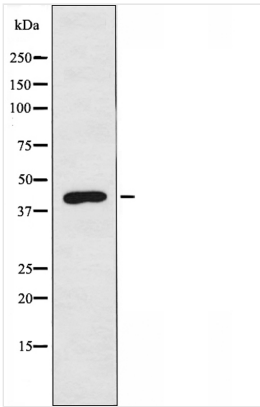
PRODUCT SYNONYMS

KCNJ9; Polyclonal Antibody; KCNJ9 Antibody; G protein activated inward rectifier potassium channel 3; G protein coupled inward rectifier potassium channel; G protein-activated inward rectifier potassium channel 3; GIRK-3; GIRK3; Inward rectifier K(+) channel Kir3.3; Inwardly rectifier K(+) channel Kir3.3; Inwardly rectifier K+ channel KIR3.3; inwardly rectifying subfamily J member 9; IRK9_HUMAN; Kcnj9; KIR3.3; Potassium channel; Potassium channel inwardly rectifying subfamily J member 9; Potassium inwardly rectifying channel subfamily J member 9; Potassium inwardly rectifying channel subfamily J9; anti-KCNJ9 antibody

PRODUCT SPECIFICATIONS

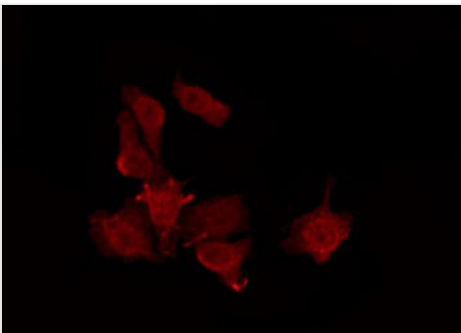
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	KCNJ9 antibody detects endogenous levels of total KCNJ9
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	393
Applicable Applications for anti-KCNJ9 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Membrane.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Sheep, Dog
Similarity	Pig (100%), Zebrafish (89%), Bovine (100%), Sheep (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from LOVO cells, using KCNJ9 antibody.



IF (Immunofluorescence)

AAA324733 staining LOVO 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.

ADDITIONAL INFORMATION

Related Product Information for anti-KCNJ9 antibody	Function: This receptor 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 (By similarity). Subunit Structure: Associates with GIRK1 to form a G-protein-activated heteromultimer pore-forming unit. Interacts (via PDZ-binding motif) with SNX27 (via PDZ domain); the interaction is required when endocytosed to prevent degradation in lysosomes and promote recycling to the plasma membrane (By similarity). Similarity: The PDZ-binding motif specifically binds the PDZ domain of SNX27: the specificity for SNX27 is provided by the 2 residues located upstream (Glu-388 and Ser-389) of the PDZ-binding motif. Belongs to the inward rectifier-type potassium channel (TC 1.A.2.1) family. KCNJ9 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	25121970
NCBI GeneID	3765
NCBI Accession #	NP_004974.2
NCBI GenBank Nucleotide #	NM_004983.2
UniProt Accession #	Q92806; Q5JW75
Molecular Weight	Observed: 44 kD Predicted: 45 kDa
NCBI Official Full Name	G protein-activated inward rectifier potassium channel 3
NCBI Official Synonym Full Names	potassium voltage-gated channel subfamily J member 9
NCBI Official Symbol	KCNJ9
NCBI Official Synonym Symbols	GIRK3; KIR3.3
NCBI Protein Information	G protein-activated inward rectifier potassium channel 3
UniProt Protein Name	G protein-activated inward rectifier potassium channel 3
UniProt Gene Name	KCNJ9
UniProt Synonym Gene Names	GIRK3; GIRK-3

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://stage.aaabiotech.com/polyclonal/kcnj9-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324733>