

Mouse KCNJ3 Monoclonal Antibody | anti-KCNJ3 antibody

KCNJ3 antibody

CATALOG # AAA107402	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay, Immunofluorescence
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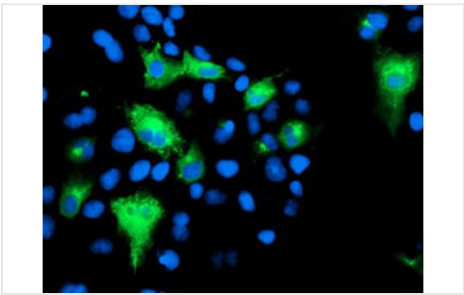
PRODUCT SYNONYMS

KCNJ3; Monoclonal Antibody; KCNJ3 antibody; Monoclonal KCNJ3; Anti-KCNJ3; Potassium inwardly rectifying channel subfamily J member 3; GIRK1; KGA; Inward rectifier K(+) channel Kir3.1; KCNJ 3; KCNJ-3; anti-KCNJ3 antibody

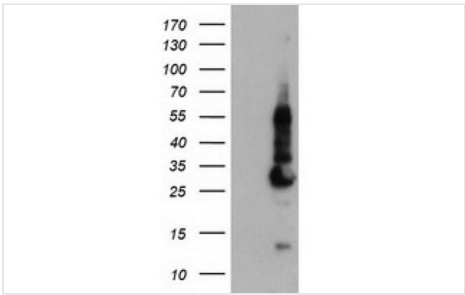
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1B1
Purity/Purification	KCNJ3 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	501
Applicable Applications for anti-KCNJ3 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence)
Biological Significance	Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. The encoded protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, is controlled by G-proteins and plays an important role in regulating heartbeat. It associates with three other G-protein-activated potassium channels to form a heteromultimeric pore-forming complex.
Cross-Reactivity	Human
Immunogen	KCNJ3 antibody was raised in mouse using a human recombinant protein fragment corresponding to amino acids 279-501 of human KCNJ3 (NP_002230) produced in E Coli as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant KCNJ3 protein using KCNJ3 antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant KCNJ3 protein (Right) or empty vector (Left) detected with KCNJ3 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-KCNJ3 antibody	Mouse monoclonal KCNJ3 antibody
Product Categories/Family for anti-KCNJ3 antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504839
NCBI GeneID	3760
NCBI Accession #	NP_002230
NCBI GenBank Nucleotide #	NM_002239.3
UniProt Accession #	P48549; Q8TBI0; B4DEW7
Molecular Weight	26,829 Da
NCBI Official Full Name	G protein-activated inward rectifier potassium channel 1 isoform 1
NCBI Official Synonym Full Names	potassium channel, inwardly rectifying subfamily J, member 3
NCBI Official Symbol	KCNJ3
NCBI Official Synonym Symbols	KGA; GIRK1; KIR3.1
NCBI Protein Information	G protein-activated inward rectifier potassium channel 1
UniProt Protein Name	G protein-activated inward rectifier potassium channel 1
UniProt Gene Name	KCNJ3
UniProt Synonym Gene Names	GIRK1; GIRK-1
UniProt Entry Name	KCNJ3_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.