

Rabbit anti-Human ATP-sensitive inward rectifier potassium channel 1 Polyclonal Antibody | anti-KCNJ1 antibody

Rabbit anti-human ATP-sensitive inward rectifier potassium channel 1 polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA230579	Rabbit	Human	Immunofluorescence, Western Blot, ELISA

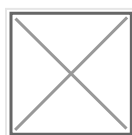
PRODUCT SYNONYMS

ATP-sensitive inward rectifier potassium channel 1; Polyclonal Antibody; Rabbit anti-human ATP-sensitive inward rectifier potassium channel 1 polyclonal Antibody; ATP-regulated potassium channel ROM-K Inward rectifier K(+) channel Kir1.1 Potassium channel; inwardly rectifying subfamily J member 1 KCNJ1 ROMK1; anti-KCNJ1 antibody

PRODUCT SPECIFICATIONS

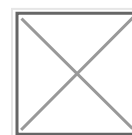
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	391
Applicable Applications for anti-KCNJ1 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen	Recombinant human ATP-sensitive inward rectifier potassium channel 1 protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-10692 / sc-10694
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of Hela cells using AAA230579 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



WB (Western Blot)

Western blotAll lanes: ATP-sensitive inward rectifier potassium channel 1 antibody at 2ug/mLane 1:HepG2 whole cell lysateLane 2:Hela whole cell lysateSecondaryGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 45,43 kDaObserved band size: 45 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-KCNJ1 antibody	Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. This protein is an integral membrane protein and inward-rectifier type potassium channel. It is activated by internal ATP and probably plays an important role in potassium homeostasis. The encoded protein has a greater tendency to allow potassium to flow into a cell rather than out of a cell. Mutations in this gene have been associated with antenatal Bartter syndrome, which is characterized by salt wasting, hypokalemic alkalosis, hypercalciuria, and low blood pressure. Multiple transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-KCNJ1 antibody	Transport

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504837
NCBI GeneID	3758
NCBI Accession #	NP_000211.1
NCBI GenBank Nucleotide #	NM_000220.4
UniProt Accession #	P48048; Q6LD67; B2RMR4
Molecular Weight	44,611 Da
NCBI Official Full Name	ATP-sensitive inward rectifier potassium channel 1 isoform a
NCBI Official Synonym Full Names	potassium voltage-gated channel subfamily J member 1
NCBI Official Symbol	KCNJ1
NCBI Official Synonym Symbols	ROMK; ROMK1; KIR1.1
NCBI Protein Information	ATP-sensitive inward rectifier potassium channel 1
UniProt Protein Name	ATP-sensitive inward rectifier potassium channel 1
UniProt Gene Name	KCNJ1
UniProt Synonym Gene Names	ROMK1
UniProt Entry Name	KCNJ1_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/atp-sensitive-inward-rectifier-potassium-channel-1-antibody-immunofluorescence-western-blot-elisa/230579>