

Rabbit anti-Mouse, Rat KCNJ1 Polyclonal Antibody | anti-KCNJ1 antibody

KCNJ1 Polyclonal Antibody

CATALOG # AAA311683	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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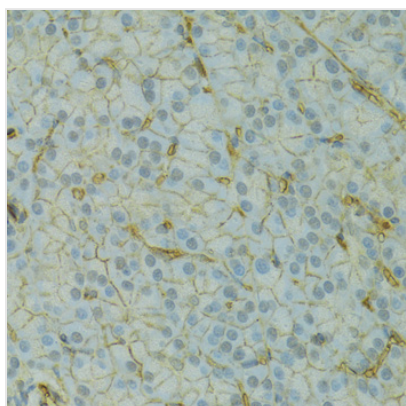
PRODUCT SYNONYMS

KCNJ1; Polyclonal Antibody; KCNJ1 Polyclonal Antibody; KIR1.1; ROMK; ROMK1; ATP-sensitive inward rectifier potassium channel 1; anti-KCNJ1 antibody

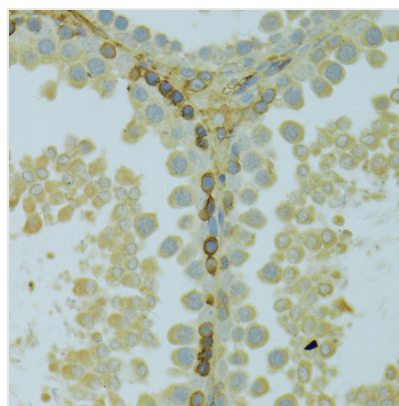
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 50% glycerol, pH7.4
Applicable Applications for anti-KCNJ1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein of human KCNJ1 (NP_000211.1).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

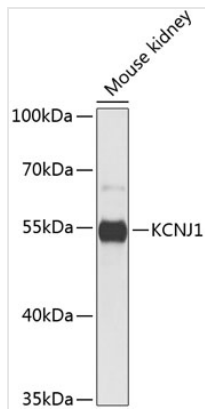
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat pancreas using KCNJ1 antibody.


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat testis using KCNJ1 antibody.



WB (Western Blot)
Western blot analysis of extracts of mouse kidney, using KCNJ1 antibody.

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. The protein encoded by this gene 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	Total protein Ab

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	44,795 Da
NCBI Official Full Name	ATP-sensitive inward rectifier potassium channel 1 isoform a
NCBI Official Synonym Full Names	potassium inwardly-rectifying 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; inwardly rectifying K+ channel; inward rectifier K(+) channel Kir1.1; ATP-regulated potassium channel ROM-K; potassium channel, inwardly rectifying subfamily J member 1
UniProt Protein Name	ATP-sensitive inward rectifier potassium channel 1
UniProt Gene Name	KCNJ1
UniProt Synonym Gene Names	ROMK1
UniProt Entry Name	IRK1_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.

