

Datasheet for ABIN913909

anti-KCNJ1 antibody (AA 301-391) (AbBy Fluor® 488)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	KCNJ1
Binding Specificity:	AA 301-391
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNJ1 antibody is conjugated to AbBy Fluor® 488
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ROM-K/KCNJ1
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse, Dog, Cow, Pig, Horse, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	KCNJ1
Alternative Name:	ROM-K (KCNJ1 Products)

Target Details

Background: Synonyms: ROM K, ROM-K, inwardly rectifying subfamily J member 1, ATP regulated potassium channel ROM K, ATP sensitive inward rectifier potassium channel 1, ATP-regulated potassium channel ROM-K, ATP-sensitive inward rectifier potassium channel 1, Inward rectifier K⁺ channel Kir1.1, inwardly rectifying K⁺ channel, IRK1_HUMAN, KCNJ 1, KCNJ, Kcnj1, Kir 1.1, Kir1.1, Potassium channel, Potassium channel inwardly rectifying subfamily J member 1, potassium inwardly-rectifying channel J1, ROMK 1, ROMK 2, ROMK, ROMK1, ROMK2.

Background: 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. [provided by RefSeq, Jul 2008].

Gene ID: 3758

Application Details

Application Notes: FCM 1:20-100
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months