Datasheet for ABIN682290

anti-KCNJ1 antibody (AA 301-391) (Biotin)

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Overview

Quantity:	100 µL
Target:	KCNJ1
Binding Specificity:	AA 301-391
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNJ1 antibody is conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

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 rectying subfamily J member 1, ATP regulated potassium channel ROM K, ATP sensitive inward rectier potassium channel 1, ATP-regulated potassium channel ROM-K, ATP-sensitive inward rectier potassium channel 1, Inward rectier K+ channel Kir1.1, inwardly rectying K+ channel, IRK1_HUMAN, KCNJ 1, KCNJ, Kcnj1, Kir 1.1, Kir1.1, Potassium channel, Potassium channel inwardly rectying subfamily J member 1, potassium inwardly-rectying 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:	IHC-P 1:200-400 IHC-F 1:100-500
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.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.

Handling

Expiry Date:	12 months