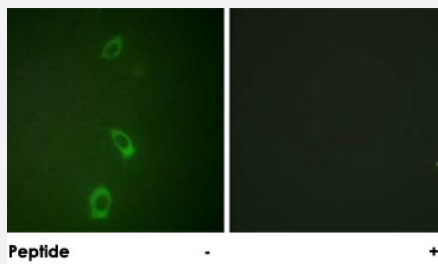


KCNJ1 polyclonal antibody

Catalog # PAB18418 Size 100 ug

Applications



Immunofluorescence

Immunofluorescence analysis of A-549 cells, using KCNJ1 polyclonal antibody (Cat # PAB18418).

Peptide "+" means "peptide blocking".

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of KCNJ1.

Immunogen A synthetic peptide corresponding to human KCNJ1.

Host Rabbit

Reactivity Human, Mouse, Rat

Specificity This antibody is specific to KCNJ1.

Form Liquid

Purification Affinity purification

Concentration 1 mg/mL

Recommend Usage
Immunofluorescence (1:500-1:1000)
ELISA (1:10000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunofluorescence

Immunofluorescence analysis of A-549 cells, using KCNJ1 polyclonal antibody (Cat # PAB18418).

Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — KCNJ1

Entrez GeneID[3758](#)**Protein Accession#**[P48048](#)**Gene Name**

KCNJ1

Gene Alias

KIR1.1, ROMK, ROMK1

Gene Description

potassium inwardly-rectifying channel, subfamily J, member 1

Omim ID[241200 600359](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

Other Designations

ATP-regulated potassium channel ROM-K|ATP-sensitive inward rectifier potassium channel 1|OTTHUMP00000045938|inwardly rectifying K+ channel|potassium inwardly-rectifying channel J1

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Hypertension](#)
- [Hypotension](#)
- [Tobacco Use Disorder](#)