

# KCNJ1 polyclonal antibody (A01)

Catalog # H00003758-A01

Size 50 uL

## Applications



Western Blot detection against Immunogen (37.11 KDa) .

## Specification

|                                      |                                                                                                          |
|--------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Mouse polyclonal antibody raised against a partial recombinant KCNJ1.                                    |
| <b>Immunogen</b>                     | KCNJ1 (NP_000211, 292 a.a. ~ 391 a.a) partial recombinant protein with GST tag.                          |
| <b>Sequence</b>                      | ELVVFLDGTVESTSATCQVRTSYVPEEVLWGYRFAPVSKTKEGKYRVDFHNFSKTVEVETPHCA<br>MCLYNEKDVRARMKRGYDNPINFILSEVNETDDTKM |
| <b>Host</b>                          | Mouse                                                                                                    |
| <b>Reactivity</b>                    | Human                                                                                                    |
| <b>Interspecies Antigen Sequence</b> | Mouse (93)                                                                                               |
| <b>Quality Control Testing</b>       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (37.11 KDa) . |
| <b>Storage Buffer</b>                | 50 % glycerol                                                                                            |
| <b>Storage Instruction</b>           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                 |

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — KCNJ1

Entrez GeneID [3758](#)

GeneBank Accession# [NM\\_000220](#)

Protein Accession# [NP\\_000211](#)

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

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- [Diabetes Mellitus](#)
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