

## KCNJ1

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**Reactivity:**Mouse Rat

**Tested applications:**WB

**Recommended Dilution:**WB 1:500 - 1:2000

**Calculated MW:**45kDa

**Observed MW:**Refer to figures

**Immunogen:**

A synthetic peptide of human KCNJ1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

ROMK; ROMK1; KIR1.1

**Catalog #:**A8554

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**3758

**Isotype:**IgG

**Swiss Prot:**P48048

**Purity:**Affinity purification

For research use only.

**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.

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