

# KIR3.1 Polyclonal Antibody

Catalog # AP70658

### **Product Information**

**Application** WB, IF **Primary Accession** P48549

Reactivity Human, Mouse, Rat

HostRabbitClonalityPolyclonalCalculated MW56603

#### **Additional Information**

**Gene ID** 3760

Other Names KCNJ3; GIRK1; G protein-activated inward rectifier potassium channel 1;

GIRK-1; Inward rectifier K(+) channel Kir3.1; Potassium channel; inwardly

rectifying subfamily J member 3

**Dilution** WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000.

ELISA: 1/20000. Not yet tested in other applications. IF~~1:50~200

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

#### **Protein Information**

Name KCNJ3

Synonyms GIRK1

**Function** Inward rectifier potassium channels are characterized by a greater tendency

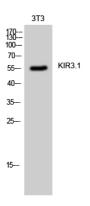
to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. This potassium channel is controlled by G proteins (PubMed:8804710, PubMed:8868049). This receptor plays a crucial role in regulating the heartbeat (By similarity).

**Cellular Location** Membrane; Multi-pass membrane protein

# **Background**

This potassium channel is controlled by G proteins. Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. This receptor plays a crucial role in regulating the heartbeat.

## **Images**



Western Blot analysis of 3T3 cells using KIR3.1 Polyclonal Antibody

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