

## Product datasheet for **TA504139S**

### **GIRK1 (KCNJ3) Mouse Monoclonal Antibody [Clone ID: OTI1D3]**

#### **Product data:**

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Clone Name:             | OTI1D3  |
| Applications:           | IF, WB  |
| Recommended Dilution:   | WB 1:2000, IF 1:100   |
| Reactivity:             | Human, Mouse, Rat   |
| Host:                   | Mouse   |
| Isotype:                | IgG2b   |
| Clonality:              | Monoclonal  |
| Immunogen:              | Human recombinant protein fragment corresponding to amino acids 279-501 of human KCNJ3(NP_002230) produced in E.coli.   |
| Formulation:            | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.  |
| Concentration:          | 0.99 mg/ml  |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)   |
| Conjugation:            | Unconjugated  |
| Storage:                | Store at -20°C as received.   |
| Stability:              | Stable for 12 months from date of receipt.  |
| Predicted Protein Size: | 56.4 kDa  |
| Gene Name:              | potassium inwardly rectifying channel subfamily J member 3  |
| Database Link:          | <a href="#">NP_002230</a><br><a href="#">Entrez Gene 16519 Mouse</a> <a href="#">Entrez Gene 50599 Rat</a> <a href="#">Entrez Gene 3760 Human</a><br><a href="#">P48549</a> |



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**Background:**

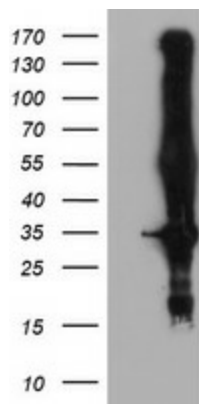
Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. The encoded protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, is controlled by G-proteins and plays an important role in regulating heartbeat. It associates with three other G-protein-activated potassium channels to form a heteromultimeric pore-forming complex. [provided by RefSeq]

**Synonyms:**

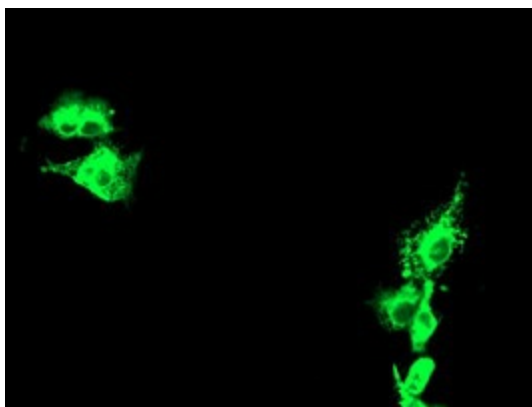
GIRK1; KGA; KIR3.1

**Protein Families:**

Druggable Genome, Ion Channels: Potassium, Transmembrane

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY KCNJ3 ([RC205322], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-KCNJ3. Positive lysates [LY400811] (100ug) and [LC400811] (20ug) can be purchased separately from OriGene.



Anti-KCNJ3 mouse monoclonal antibody ([TA504139]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY KCNJ3 ([RC205322]).