

# GIRK2 (3K8) Rabbit Monoclonal Antibody

GIRK2 (3K8) Rabbit Monoclonal Antibody

Catalog # AP93741

## Product Information

---

|                          |                                                                           |
|--------------------------|---------------------------------------------------------------------------|
| <b>Application</b>       | WB, IP                                                                    |
| <b>Primary Accession</b> | <a href="#">P48550</a> , <a href="#">Unigene</a> , <a href="#">328720</a> |
| <b>Reactivity</b>        | Mouse, Rat                                                                |
| <b>Clonality</b>         | Monoclonal                                                                |
| <b>Calculated MW</b>     | 48640                                                                     |

## Additional Information

---

|                           |                    |
|---------------------------|--------------------|
| <b>Gene ID</b>            | 25743              |
| <b>Dilution</b>           | WB~~1:1000 IP~~N/A |
| <b>Storage Conditions</b> | -20°C              |

## Protein Information

---

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | Kcnj6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>          | Girk2, Kcnj7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Function</b>          | 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 may be involved in the regulation of insulin secretion by glucose and/or neurotransmitters acting through G protein-coupled receptors. |
| <b>Cellular Location</b> | Membrane; Multi-pass membrane protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Tissue Location</b>   | Pancreatic beta cells and brain.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Background

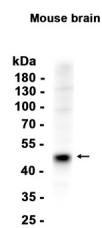
---

Enables G-protein activated inward rectifier potassium channel activity. Acts upstream of or within thyroid hormone metabolic process. Located in parallel fiber to Purkinje cell synapse. Is integral component of presynaptic membrane. Is expressed in several structures, including alimentary system; brain; eye; genitourinary system; and skeleton. Human ortholog(s) of this gene implicated in alcohol use disorder and heroin dependence. Orthologous to human KCNJ6 (potassium inwardly rectifying channel subfamily J

member 6). [provided by Alliance of Genome Resources, Apr 2022]

## Images

---



Western blot analysis of extracts from Mouse brain tissue using AP93741 at 1:1000.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.