

# Kcnj3 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI10784

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P63250</a>
<b>Other Accession</b>	<a href="#">NM_008426</a> , <a href="#">NP_032452</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
<b>Predicted</b>	Mouse, Rat, Pig, Chicken
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	56573

## Additional Information

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<b>Gene ID</b>	16519
<b>Alias Symbol</b>	GIRK1, Kcnf3, Kir3.1, MGC124233, MGC124234
<b>Other Names</b>	G protein-activated inward rectifier potassium channel 1, GIRK-1, Inward rectifier K(+) channel Kir3.1, Potassium channel, inwardly rectifying subfamily J member 3, Kcnj3, Girk1
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	Add 50 ul of distilled water. Final anti-Kcnj3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
<b>Precautions</b>	Kcnj3 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	Kcnj3
<b>Synonyms</b>	Girk1
<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 is controlled by G proteins (PubMed: <a href="#">32617840</a> ). This receptor plays a crucial

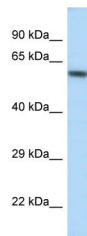
role in regulating the heartbeat (By similarity). Forms a functional channel in association with KCNJ5/GIRK4 or KCNJ6/GIRK2 or KCNJ9/GIRK3 (PubMed:[10341034](#)).

## Cellular Location

Membrane; Multi-pass membrane protein

## Images

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WB Suggested Anti-Kcnj3 Antibody Titration: 1.0 µg/ml  
Positive Control: Mouse Kidney

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