10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-KCNJ5 / Kir3.4 / GIRK4 Antibody (clone 8D2)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS18296

Specification

Anti-KCNJ5 / Kir3.4 / GIRK4 Antibody (clone 8D2) - Product Information

Application	**WB, IHC-P, E**
Primary Accession	P48544
Predicted	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a,k**
Calculated MW	**47668**
Dilution	**WB~~1:1000** **IHC-P~~N/A** **E~~N/A**

Anti-KCNJ5 / Kir3.4 / GIRK4 Antibody (clone 8D2) - Additional Information

Gene ID 3762

Alias Symbol	**KCNJ5**

Other Names
KCNJ5, CIR, GIRK-4, KATP1, Heart KATP channel, IRK-4, KATP-1, KIR3.4, LQT13, Cardiac inward rectifier, GIRK4

Target/Specificity
Human KCNJ5 / Kir3.4 / GIRK4

Reconstitution & Storage
Protein A purified

Precautions
Anti-KCNJ5 / Kir3.4 / GIRK4 Antibody (clone 8D2) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-KCNJ5 / Kir3.4 / GIRK4 Antibody (clone 8D2) - Protein Information

Name KCNJ5

Synonyms GIRK4

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. Can be blocked by external barium. This potassium

channel is controlled by G proteins.

Cellular Location
Membrane; Multi-pass membrane protein

Tissue Location
Islets, exocrine pancreas and heart. Expressed in the adrenal cortex, particularly the zona glomerulosa

Anti-KCNJ5 / Kir3.4 / GIRK4 Antibody (clone 8D2) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-KCNJ5 / Kir3.4 / GIRK4 Antibody (clone 8D2) - Images