

G protein-activated inward rectifier potassium channel 2 Antibody

Mouse Monoclonal Antibody [Clone GIRK2/15107]

Catalog No	Format	Size
3763-MSM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3763-MSM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3763-MSM7-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details	
Clone	GIRK2/15107
Immunogen	Recombinant fragment (around aa 308-423) of human KCNJ6 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	48.45kDa
Cellular Localization	Membrane
Species Reactivity	Human
Positive Control	Most abundant in cerebellum, and to a lesser degree in islets and exocrine pancreas

**Optimal dilution for a specific application should be determined.*

Product Images for G protein-activated inward rectifier potassium channel 2 Antibody

Specificity & Comments

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.