

ARG40337 anti-KCNJ5 / GIRK4 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes KCNJ5 / GIRK4
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	KCNJ5 / GIRK4
Species	Human
Immunogen	Synthetic peptide within aa. 50-150 of Human KCNJ5 (NP_000881.3).
Conjugation	Un-conjugated
Alternate Names	GIRK-4; IRK-4; LQT13; KIR3.4; Heart KATP channel; KATP-1; KATP1; CIR; Inward rectifier K; Cardiac inward rectifier; Potassium channel, inwardly rectifying subfamily J member 5; GIRK4; G protein-activated inward rectifier potassium channel 4

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat heart	
Observed Size	42 kDa	

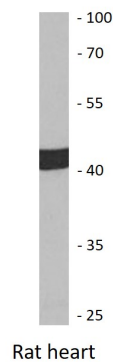
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	KCNJ5
Gene Full Name	potassium channel, inwardly rectifying subfamily J, member 5
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. It may associate with two other G-protein-activated potassium channels to form a heteromultimeric pore-forming complex. [provided by RefSeq, Jul 2008]
Function	This potassium channel is controlled by G proteins. 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. [UniProt]
Calculated Mw	48 kDa
Cellular Localization	Membrane; Multi-pass membrane protein. [UniProt]

Images



ARG40337 anti-KCNJ5 / GIRK4 antibody WB image

Western blot: 25 µg of Rat heart lysate stained with ARG40337 anti-KCNJ5 / GIRK4 antibody at 1:1000 dilution.