

Datasheet for ABIN7145022
anti-KCNJ11 antibody (AA 172-390) (Biotin)



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Overview

Quantity:	100 µg
Target:	KCNJ11
Binding Specificity:	AA 172-390
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNJ11 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human ATP-sensitive inward rectifier potassium channel 11 protein (172-390AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	KCNJ11
Alternative Name:	KCNJ11 (KCNJ11 Products)
Background:	Background: This receptor 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.

Target Details

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 extracellular barium. Subunit of ATP-sensitive potassium channels (KATP). Can form cardiac and smooth muscle-type KATP channels with ABCC9. KCNJ11 forms the channel pore while ABCC9 is required for activation and regulation. Aliases: KCNJ11 antibody, ATP-sensitive inward rectifier potassium channel 11 antibody, IKATP antibody, Inward rectifier K(+) channel Kir6.2 antibody, Potassium channel antibody, inwardly rectifying subfamily J member 11 antibody

UniProt: [Q14654](#)

Pathways: [Negative Regulation of Hormone Secretion](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.