

Datasheet for ABIN5005876

anti-KCNJ11 antibody (AA 301-390) (AbBy Fluor® 680)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	KCNJ11
Binding Specificity:	AA 301-390
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNJ11 antibody is conjugated to AbBy Fluor® 680
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Kir62
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	KCNJ11
Alternative Name:	Kir6.2 (KCNJ11) (KCNJ11 Products)

Target Details

Background:	Synonyms: ATP sensitive inward rectifier potassium channel 11, Beta cell inward rectifier subunit, mBIR, BIR, HHF 2, HHF2, IKATP, Inward rectifier K⁺ channel Kir6.2, Inwardly rectifying potassium channel KIR6.2, IRK 11, IRK11, KCNJ11, Kir 6.2, Kir6.2, MGC133230, PHHI, Potassium channel, inwardly rectifying subfamily J member 11, Potassium inwardly rectifying channel J11, TNDM 3, TNDM3, IRK11_HUMAN. 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 and is found associated with the sulfonylurea receptor SUR. Mutations in this gene are a cause of familial persistent hyperinsulinemic hypoglycemia of infancy (PHHI), an autosomal recessive disorder characterized by unregulated insulin secretion. Defects in this gene may also contribute to autosomal dominant non-insulin-dependent diabetes mellitus type II (NIDDM), transient neonatal diabetes mellitus type 3 (TNDM3), and permanent neonatal diabetes mellitus (PNDM). Multiple alternatively spliced transcript variants that encode different protein isoforms have been described for this gene. [provided by RefSeq]
Gene ID:	3767
UniProt:	Q14654
Pathways:	Negative Regulation of Hormone Secretion

Application Details

Application Notes:	FCM 1:20-100 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Handling

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
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months