

Datasheet for ABIN740252

anti-KCNJ11 antibody (AA 301-390) (Biotin)[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 Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (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)
Background:	Synonyms: ATP sensitive inward rectifier potassium channel 11, Beta cell inward rectifier subunit,

Target Details

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: WB 1:300-5000
IHC-P 1:200-400

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.

Preservative: ProClin

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

Handling

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months