

For Research Use Only

Kir6.2 Polyclonal antibody

Catalog Number: 16920-1-AP

3 Publications



Basic Information

Catalog Number:

16920-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10262

GenBank Accession Number:

BC064497

GeneID (NCBI):

3767

UNIPROT ID:

Q14654

Full Name:

potassium inwardly-rectifying channel, subfamily J, member 11

Calculated MW:

390 aa, 44 kDa

Observed MW:

48 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse, rat

Positive Controls:

WB: rat heart tissue, HepG2 cells, human heart tissue, rat skeletal muscle tissue

Background Information

Kir6.2 (also known as BIR or IKATP), encoded by the KCNJ11 gene, is the pore-forming unit of the ATP-sensitive K⁺ channel, an inward-rectifier potassium ion channel. Kir6.2 is controlled by G-proteins and is found associated with the sulfonylurea receptor (SUR) to constitute the ATP-sensitive K⁺ channel. The KCNJ11 gene is located at 11p15.1 and has no intron. Mutations in KCNJ11 are a cause of familial PPHI, an autosomal recessive disorder characterized by unregulated insulin secretion. Defects in KCNJ11 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Andrei N Tsentsevitsky	36302500	Life Sci	
Minghao Du	39467345	Int Immunopharmacol	WB
Haruhide Udagawa	37863964	Sci Rep	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

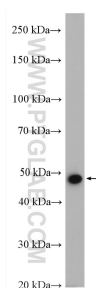
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



rat heart tissue were subjected to SDS PAGE followed by western blot with 16920-1-AP (Kir6.2 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.