

For Research Use Only

# Kir6.2 Polyclonal antibody

Catalog Number: 16920-1-AP **2 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:**

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<sup>+</sup> 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<sup>+</sup> channel. The KCNJ11 gene is located at 11p15.1 and has no intron. Mutations in KCNJ11 are a cause of familial PPH1, 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	
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:

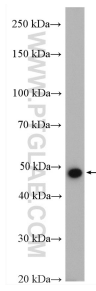
T: 4006900926

E: Proteintech-CN@ptglab.com

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## 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.