

# KCNJ11 Rabbit pAb

Catalog No.: A5765 **2 Publications**

## Basic Information

**Observed MW**

31-43kDa

**Calculated MW**

44kDa

**Category**

Primary antibody

**Applications**

ELISA,WB

**Cross-Reactivity**

Human, Mouse

## 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.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

**Gene ID**

3767

**Swiss Prot**

Q14654

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 171-390 of human KCNJ11 (NP\_000516.3).

**Synonyms**

BIR; HHF2; PHHI; IKATP; PNDM2; TNDM3; KIR6.2; MODY13; KCNJ11

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

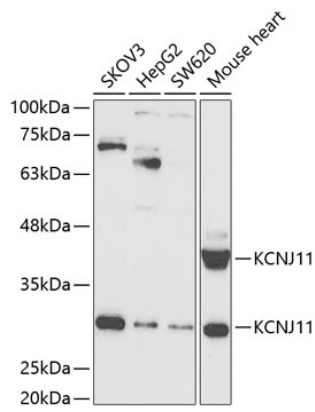
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using KCNJ11 antibody (A5765) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 90s.