

Product datasheet for TA303230

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OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

Kir6.2 (KCNJ11) Goat Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

WB **Applications:**

Recommended Dilution: ELISA: 1:64,000. WB: 0.01-0.03µg/ml.

Human (Expected from sequence similarity: Mouse, Rat, Dog) Reactivity:

Host: Goat Isotype: lgG

Clonality: Polyclonal

Immunogen: Peptide with sequence ERRARFVSKKGNC, from the internal region (near the N Terminus) of

the protein sequence according to NP_034732.1.

Formulation: Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum

albumin.

Concentration: lot specific

Purification: Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

> chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize

freezing and thawing.

Conjugation: Unconjugated

Store at -20°C as received. Storage:

Stability: Stable for 12 months from date of receipt.

Gene Name: potassium voltage-gated channel subfamily J member 11

Database Link: NP 000516

Entrez Gene 16514 MouseEntrez Gene 83535 RatEntrez Gene 485401 DogEntrez Gene 3767

Human Q14654





Background:

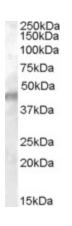
Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. The encoded protein, which has a greater tendency to allow potassium to 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). [provided by RefSeq]

Synonyms: BIR; HHF2; IKATP; KIR6.2; MODY13; PHHI; TNDM3

Protein Families: Druggable Genome, Ion Channels: Potassium, Transmembrane

Protein Pathways: Type II diabetes mellitus

Product images:



TA303230 (0.01ug/ml) staining of Human Muscle lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by

chemiluminescence.