

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07765 - Goat Anti-KCNJ11 / KATP / Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** KCNJ11, IKATP, potassium inwardly-rectifying channel, subfamily J, member 11, BIR, HHF2, KIR6.2, MGC133230, PHHI, TNDM3, ATP-sensitive inward rectifier potassium channel 11, beta-cell inward rectifier subunit, inwardly rectifying potassium channel KIR6.2, potassium inwardly-rectifying channel J11

**Official Symbol:** KCNJ11

**Accession Number(s):** NP\_000516.3

**Human GeneID(s):** [3767](#)

**Important Comments:** This antibody is expected to recognise isoform 1 (NP\_000516.3) only.

### Immunogen

Peptide with sequence C-AEDPAKPRYRARQ, from the internal region (near the N Terminus) of the protein sequence according to NP\_000516.3.

Please note the [peptide](#) is available for sale.

### Purification and Storage

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.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Approx 45-48kDa band observed in Human Skeletal Muscle lysates (calculated MW of 43.5kDa according to NP\_000516.3). Recommended concentration: 0.1-0.3µg/ml.

**IHC:** In paraffin embedded Human Pancreas shows variable staining across the islet of Langerhans. Recommended concentration, 3-5µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

EB07765 (3.8µg/ml) staining of paraffin embedded Human Pancreas. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB07765 (0.1µg/ml) staining of Human Muscle lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.