

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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.

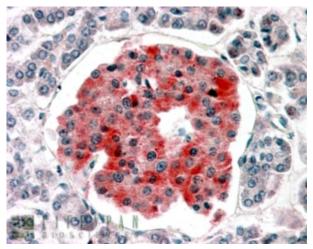
Western blot: Approx 45-48kDa band observed in Human Skeletal Muscle lysates (calculated MW of 43.5kDa according to NP_000516.3). Recommended concentration: 0.1-0.3µg/ml.

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

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

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