

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.

EB07531 - Goat Anti-CACNB4 (internal) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CACNB4, calcium channel, voltage-dependent, beta 4 subunit, CAB4, CACNLB4, EA5, EJM, dihydropyridine-sensitive L-type, calcium channel beta-4 subunit,

voltage dependent calcium channel beta 4 subunit

Official Symbol: CACNB4

Accession Number(s): NP_001005747.1; NP_000717.2; NP_001005746.1

Human GeneID(s): 785

Non-Human GenelD(s): 12298 (mouse), 58942 (rat)

Important Comments: This antibody is expected to recognise all three reported isoforms

(NP_001005747.1; NP_000717.2; NP_001005746.1).

Immunogen

Peptide with sequence C-DYPDSYQDTYKPH, from the internal region (near the C Terminus) of the protein sequence according to NP_001005747.1; NP_000717.2; NP_001005746.1.

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 1:4000.

Western blot: Approx 55-60kDa band observed in Human Bone Marrow lysates (calculated MW of 54.7kDa according to NP_001005747.1 and 58.2kDa according to NP_000717.2). Recommended concentration: 0.2-0.6 μ g/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog



EB07531 (0.2 μ g/ml) staining of Human Bone Marrow lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.