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**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 GeneID(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 µg/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.