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