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# EB06591 - Goat Anti-CACNB4 (C terminus) Antibody

Size: 100µg specific antibody in 200µl

## Target Protein

**Principal Names:** CACNB4, CAB4, CACNLB4, calcium channel, voltage-dependent, beta 4 subunit, dihydropyridine-sensitive L-type, 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 reported protein isoforms of human CACNB4 (NP_001005747.1; NP_000717.2; NP_001005746.1; )

## Immunogen

Peptide with sequence CSPGGYSHDSRHRL, from 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 1:8000.
**Western blot:** Approx 60+55kDa bands observed in Human Bone Marrow lysates and in transfected HEK293 transiently expressing CACNB4 (calculated MW of 58.2kDa according to NP_000717.2 and 54.7kDa according to NP_001005747.1). Recommended concentration: 0.3-1µg/ml.

## Species Reactivity

**Tested:** Human
**Expected from sequence similarity:** Human, Mouse, Rat, Pig

EB06591 (0.2µg/ml) staining of human bone marrow lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

HEK293 overexpressing CACNB4 (RC210440) and probed with EB06591 (mock transfection in first lane), tested by Origene.