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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB08821 - Goat Anti-CACNA1C Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CACNA1C, calcium channel, voltage-dependent, L type, alpha 1C subunit, CACH2, CACN2, CACNL1A1, CCHL1A1, CaV1.2, MGC120730, TS, DHPR, alpha-1 subunit, calcium channel, L type, alpha 1 polypeptide, isoform 1, cardiac muscle, calcium channel, cardiac dihydropyridine-sensitive, alpha-1 subunit, voltage-dependent L-type calcium channel alpha 1C subunit, voltage-gated L-type calcium channel Cav1.2 alpha 1 subunit, splice variant 10*, voltage-gated calcium channel alpha subunit Cav1.2

Official Symbol: CACNA1C

Accession Number(s): NP_000710.5; NP_955630.2; NP_001161097.1; NP_001123299.1; NP_001123301.1; NP_001161096.1; NP_001123302.1; NP_001123303.1 and more

Human GeneID(s): [775](#)

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

Immunogen

Peptide with sequence C-RARGRPSEELQD, from the C Terminus of the protein sequence according to NP_000710.5; NP_955630.2; NP_001161097.1; NP_001123299.1; NP_001123301.1; NP_001161096.1; NP_001123302.1; NP_001123303.1 and more.

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

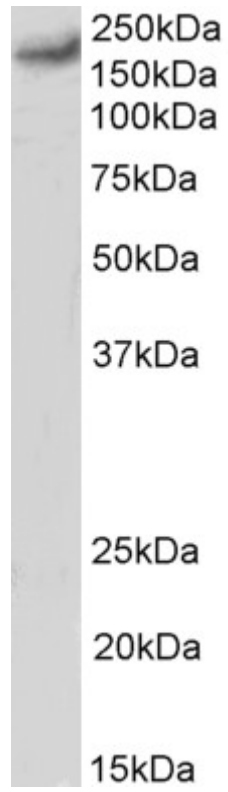
Peptide ELISA: antibody detection limit dilution 1:64000.

Western blot: Approx. 200kDa band observed in Human Heart lysate (calculated MW of 240kDa according to NP_000710.5). Recommended concentration: 1.0-3.0µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human



EB08821 (1 µg/ml) staining of Human Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.