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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, cardic muscle, calcium channel, cardic 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):** <u>775</u>

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

250kDa 150kDa 100kDa 75kDa 50kDa

25kDa

37kDa

20kDa

15kDa

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