



## International Office

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

## EB07832 - Goat Anti-CACNA2D1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** CACNA2D1, calcium channel, voltage-dependent, alpha 2/delta subunit 1, CACNA2, CACNL2A, CCHL2A, MHS3, H\_DJ0560O14.1, WUGSC:H\_DJ0560O14.1, calcium channel, L type, alpha 2 polypeptide, dihydropyridine-sensitive L-type, calcium channel alpha-2/delta subunit

**Official Symbol:** CACNA2D1

**Accession Number(s):** NP\_000713.2

**Human GeneID(s):** [781](#)

**Non-Human GeneID(s):** 12293 (mouse), 25399 (rat)

### Immunogen

Peptide with sequence C-QEIFNKYNKDKKVR, from the internal region of the protein sequence according to NP\_000713.2.

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 1:16000.

**Western blot:** Approx 140kDa band observed in Human Brain (Cerebellum) lysates (calculated MW of 123kDa according to NP\_000713.2). Recommended concentration: 0.03-0.1µg/ml. Customer found it not suitable on Mouse and Rat protein.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB07832 (0.03 $\mu$ g/ml) staining of Human Brain (Cerebellum) lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.