

## UK Office

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

## EB09647 - Goat Anti-CACNA1G Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** CACNA1G, calcium channel, voltage-dependent, T type, alpha 1G subunit, Ca(V)T.1, Cav3.1, MGC117234, NBR13

**Official Symbol:** CACNA1G

**Accession Number(s):** NP\_061496.2, NP\_938192.1, NP\_938194.1, NP\_938198.1, NP\_938199.1, NP\_938200.1, NP\_938407.1

**Human GeneID(s):** [8913](#)

**Non-Human GeneID(s):** 29717 (rat)

**Important Comments:** This antibody is expected to recognize isoform 1 (NP\_061496.2), 4 (NP\_938199.1), 5 (NP\_938194.1), 8 (NP\_938198.1), 9 (NP\_938192.1), 10 (NP\_938200.1) and isoform 15 (NP\_938407.1).

### Immunogen

Peptide with sequence C-AEEISKREDASGQLS, from the internal region of the protein sequence according to NP\_061496.2, NP\_938192.1, NP\_938194.1, NP\_938198.1, NP\_938199.1, NP\_938200.1, NP\_938407.1.

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 1:32000.

**Western blot:** Preliminary experiments in Human Brain lysates gave no specific signal but low background (at antibody concentration up to 1µg/ml). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates?

### Species Reactivity

**Tested:**

**Expected from sequence similarity:** Human, Rat, Dog, Cow