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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 GenelD(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