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Research Use Only. Not for diagnostic or therapeutic use.

EB11178 - Goat Anti-CACNB2 (aa565-579) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CAB2, CACNLB2, calcium channel voltage-dependent subunit beta 2, calcium channel, voltage-dependent, beta 2 subunit, CAVB2, FLJ23743, lambert-Eaton myasthenic syndrome antigen B, myasthenic (Lambert-Eaton) syndrome antigen B, MYSB, voltage-dependent L-type calcium channel subunit beta-2, CACNB2

Official Symbol: CACNB2

Accession Number(s): NP_000715.2; NP_963890.2; NP_963884.2; NP_963891.1; NP_963887.2; NP_963865.2; NP_963864.1; NP_963866.2; NP_001161417.1

Human GeneID(s): 783

Non-Human GenelD(s): 12296 (mouse), 116600 (rat)

Important Comments: This antibody is expected to recognize all reported isoforms (NP_000715.2; NP_963890.2; NP_963884.2; NP_963891.1; NP_963887.2; NP_963865.2; NP_963866.2; NP_001161417.1).

Immunogen

Peptide with sequence ECNKQRSRHKSKDRY, from the C Terminus of the protein sequence according to NP_000715.2; NP_963890.2; NP_963884.2; NP_963891.1; NP_963887.2; NP_963865.2; NP_963864.1; NP_963866.2; NP_001161417.1.

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

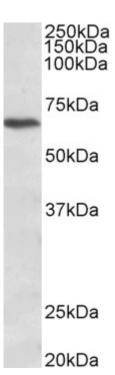
Peptide ELISA: antibody detection limit dilution 1:4000.

Western blot: Approx 65kDa band observed in lysates of cell lines NIH3T3 and Jurkat (calculated MW of 68.1kDa according to NP_000715.2). Recommended concentration: 1-3μg/ml.

Species Reactivity

Tested: Human, Mouse

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



EB11178 ($1\mu g/ml$) staining of Jurkat lysate ($35\mu g$ protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.