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EB07341 - Goat Anti-NMDA receptor 1 / GRIN1 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: GRIN1, NMDA receptor 1, glutamate receptor, ionotropic, N-methyl D-aspartate 1, NMDA1, NMDAR1, NR1, N-methyl-D-aspartate receptor channel, subunit zeta-1, glutamate [NMDA] receptor subunit zeta 1
Official Symbol: GRIN1
Accession Number(s): NP_000823.4; NP_067544.1; NP_015566.1
Human GeneID(s): 2902
Non-Human GeneID(s): 14810 (mouse), 24408 (rat)
Important Comments: This antibody is expected to recognise all three reported isoforms (NP_000823.4; NP_067544.1; NP_015566.1).

Immunogen

Peptide with sequence C-TQERVNNSNKKE, from the internal region of the protein sequence according to NP_000823.4; NP_067544.1; NP_015566.1.

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 1:1000.
Western blot: Approx 100kDa band observed in Human Brain (Amylgada) and Rat Brain lysates (calculated MW of 101kDa according to Human NP_067544.1 and Rat NP_001257534.1. Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Mouse for this particular batch.

Species Reactivity

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

EB07341 (1µg/ml) staining of Human Amylgada (A) and Rat (B) Brain lysate (35µg protein in RIPA buffer).
Detected by chemiluminescence.