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

EB07341 - Goat Anti-NMDA receptor 1 / GRIN1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: GRIN1 antibody, NMDA receptor 1 antibody, glutamate receptor, ionotropic, N-methyl D-aspartate 1 antibody, NMDA1 antibody, NMDAR1 antibody, NR1 antibody, N-methyl-D-aspartate receptor channel, subunit zeta-1 antibody, glutamate [NMDA] receptor subunit zeta 1 antibody

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 110kDa band observed in Rat Brain lysates (calculated MW of 105kDa according to NP_015566.1). Recommended concentration: 2-4µg/ml. A minor band of unknown identity was also consistently observed at 23-24kDa. This band was strong in Mouse Brain lysates and faint in Human Brain lysates. The band was successfully blocked by incubation with the immunising peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

Species Reactivity

Tested: Rat

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



EB07341 (2 μ g/ml) staining of Rat Brain lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.