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

EB07294 - Goat Anti-NMDAR2B / GRIN2B Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: GRIN2B, NMDAR2B, glutamate receptor, ionotropic, N-methyl D-aspartate 2B, HGNC:4586, NR2B, hNR3, N-methyl-D-aspartate receptor subunit 2B

Official Symbol: GRIN2B

Accession Number(s): NP_000825.1

Human GeneID(s): [2904](#)

Non-Human GeneID(s): 14812 (mouse), 24410 (rat)

Immunogen

Peptide with sequence C-KDAHEKDDFHLS, from the internal region of the protein sequence according to NP_000825.1.

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 1:16000.

Western blot: Approx 170kDa band observed in Rat Brain lysates (calculated MW of 166kDa according to NP_000825.1). Recommended concentration: 2-4µg/ml. Primary incubation was 1 hour.

Immunofluorescence: Strong expression of the protein seen in the cytoskeleton/ cytoplasm of HeLa cells. Recommended concentration: 10µg/ml.

Species Reactivity

Tested: Human, Rat

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

EB07294 (2µg/ml) staining of Rat Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07294 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton.

Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoskeleton and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).