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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, 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 GenelD(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

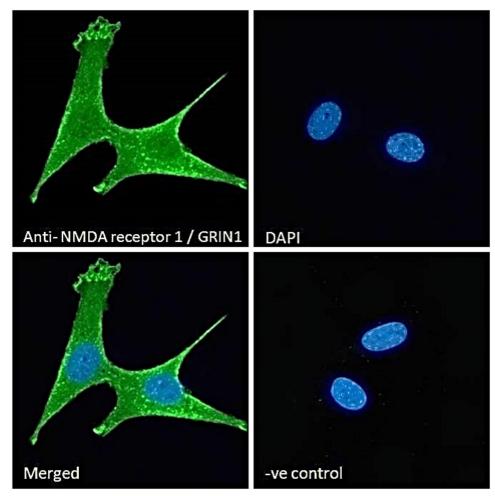
Peptide ELISA: antibody detection limit dilution 1:32000.

Immunofluorescence: Strong expression of the protein seen in the membrane and cytoplasm of MCF7 and NIH3T3 cells. Recommended concentration: 10µg/ml.

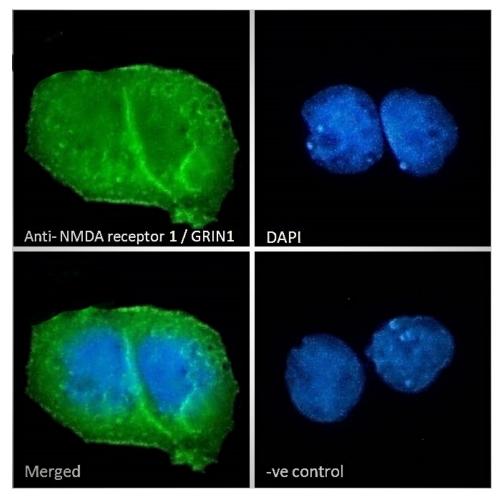
Species Reactivity

Tested: Human, Mouse

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



EB07341 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing plasma membrane 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).



EB07341 Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing plasma membrane 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).