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Research Use Only. Not for diagnostic or therapeutic use.

EB11313 - Goat Anti-GRIN2A (aa211-224) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: glutamate [NMDA] receptor subunit epsilon-1, glutamate receptor, ionotropic, N-methyl D-aspartate 2A, hNR2A, NMDA receptor subtype 2A, NMDAR2A, N-methyl D-aspartate receptor subtype 2A, N-methyl-D-aspartate receptor channel, subunit epsilon-1, N-methyl-D-aspartate receptor subunit 2A, NR2A,

OTTHUMP00000160135, OTTHUMP00000174531, GRIN2A

Official Symbol: GRIN2A

Accession Number(s): NP_000824.1; NP_001127880.1

Human GeneID(s): 2903

Non-Human GeneID(s): 14811 (mouse), 24409 (rat)

Important Comments: This antibody is expected to recognize both reported isoforms (NP_000824.1; NP_001127880.1). The immunizing peptide represents part of an extra-cellular domain. Reported variants represent identical protein: NP_001127879.1, NP_000824.1

Immunogen

Peptide with sequence C-EDAKTQVQLKKIHS, from the internal region of the protein sequence according to NP_000824.1; NP_001127880.1.

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

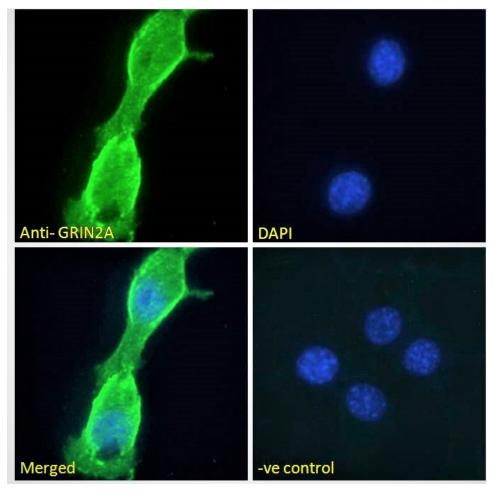
Peptide ELISA: antibody detection limit dilution 1:16000.

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

Species Reactivity

Tested: Mouse

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



EB11313 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 membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).