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GRIN3B Antibody (C-Term)

Peptide-affinity purified goat antibody
Catalog # AF3273a

Specification

GRIN3B Antibody (C-Term) - Product Information

Application	**WB, E**
Primary Accession	O60391
Other Accession	NP_619635.1, 116444
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**112992**

GRIN3B Antibody (C-Term) - Additional Information

Gene ID 116444

Other Names
Glutamate receptor ionotropic, NMDA 3B, GluN3B, N-methyl-D-aspartate receptor subtype 3B, NMDAR3B, NR3B, GRIN3B

Dilution
WB~~1:1000
E~~N/A

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
GRIN3B Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

GRIN3B Antibody (C-Term) - Protein Information

Name GRIN3B (HGNC:16768)

Function
Component of a non-conventional N-methyl-D-aspartate (NMDA) receptors (NMDARs) that function as heterotetrameric, ligand-gated cation channels with low calcium permeability and low voltage-dependent block by Mg(2+) (By similarity). Forms glutamatergic receptor complexes with

GluN1 and GluN2 subunits which are activated by glycine binding to the GluN1 and GluN3 subunits and L-glutamate binding to GluN2 subunits (By similarity). Forms excitatory glycinergic receptor complexes with GluN1 alone which are activated by glycine binding to the GluN1 and GluN3 subunits. GluN3B subunit also binds D-serine and, in the absence of glycine, activates glycinergic receptor complexes, but with lower efficacy than glycine (By similarity). Each GluN3 subunit confers differential attributes to channel properties, including activation, deactivation and desensitization kinetics, pH sensitivity, Ca2(+) permeability, and binding to allosteric modulators (By similarity).

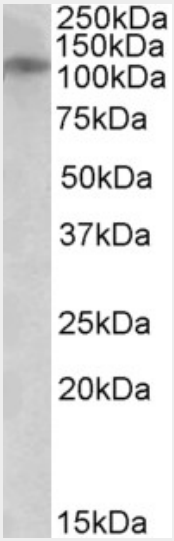
Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q91ZU9}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q13224} Postsynaptic cell membrane {ECO:0000250|UniProtKB:Q91ZU9} Note=Requires the presence of GRIN1 to be targeted at the plasma membrane. {ECO:0000250|UniProtKB:Q91ZU9}

GRIN3B Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GRIN3B Antibody (C-Term) - Images



AF3273a (0.5 µg/ml) staining of Human Cerebellum lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

GRIN3B Antibody (C-Term) - References

Pharmacogenetics of antipsychotic response in the CATIE trial: a candidate gene analysis. Need AC, Keefe RS, Ge D, Grossman I, Dickson S, McEvoy JP, Goldstein DB, European journal of human

genetics : EJHG 2009 Jul 17 (7): 946-57. PMID: 19156168