

Product Datasheet

NMDA R, NR1 Subunit Antibody - Azide and BSA Free NB300-115

Unit Size: 0.025 mg

Store at -20C. Avoid freeze-thaw cycles.

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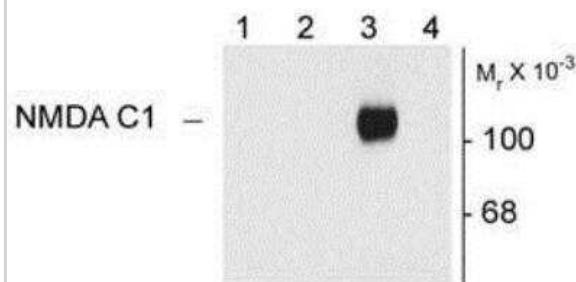
NB300-115**NMDA R, NR1 Subunit Antibody - Azide and BSA Free**

Product Information	
Unit Size	0.025 mg
Concentration	LYOPH mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Reconstitution Instructions	Reconstitute with 50 uL PBS to desired concentration.
Isotype	IgG
Purity	Antigen Affinity-purified
Target Molecular Weight	120 kDa
Product Description	
Description	The antigen is a peptide from the NR1 subunit, C1 splice variant insert of the NMDA receptor. Recommended that the undiluted antibody be aliquoted into smaller working volumes (10-30 uL/vial depending on usage).
Host	Rabbit
Gene ID	2902
Gene Symbol	GRIN1
Species	Mouse, Rat
Reactivity Notes	It is anticipated that the antibody will also work with bovine, canine, and non-human primate tissues based on the fact that these species have 100% homology with the amino acid sequence used as antigen.
Specificity/Sensitivity	Specific for endogenous levels of the ~120 kDa NR1 subunit of the NMDA receptor containing the C1 splice variant insert. Does not recognize the NR1 subunits of the NMDA receptor that do not contain the C1 insert.
Immunogen	Synthetic peptide corresponding to amino acid residues specific to the NR1 subunit, C1 splice variant insert conjugated to KLH. Accession # P35439
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:1000-1:2000, Immunohistochemistry-Frozen 1:1000-1:2000
Application Notes	NB 300-115 can be used in Western blot where a band is seen at ~ 100 kDa representing the NMDAR1 C1 splice variant.



Images

Western Blot: NMDA receptor C1 Antibody [NB300-115] - 10 ug of HEK 293 cells expressing: Lane 1 - HEK cells without NR1 expression (Mock); Lane 2 - NR1 subunit containing only the C2 Insert; Lane 3 - NR1 subunit containing the C1 and C2' Insert; Lane 4 - NR1 subunit containing the N1 and C2' Insert showing specific immunolabeling of the ~120k NR1 subunit of the NMDA receptor containing the C1 splice variant insert.



Publications

Fakhoury M, Hernandez G, LEvesque D, RomprE PP Modulation of brain stimulation reward and locomotor activity by ionotropic glutamate receptors of the tail of the ventral tegmental area Behav. Brain Res. 2020-06-25 [PMID: 32593543] (WB, Rat)

Nagy, J et al. Differential alterations in the expression of NMDA recaptor subunits following chronic ethanol treatment in primary cultures of rat cortical hippocampal neurons. Neurochemistry International, 42(2003):35-43. 2002-01-01 [PMID: 12441166]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-
techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB300-115

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
DBD00	BDNF [HRP]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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