

Product Datasheet

NMDA R, NR1 Subunit Antibody - Azide and BSA Free NB300-114

Unit Size: 0.025 mg

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

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NB300-114**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, N1 splice variant insert of rat 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 canine, chicken, human, non-human primate and Xenopus 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 NMDA R, NR1 Subunit splice variant insert protein of the NMDA receptor. Does not recognize NR1 subunits of the NMDA receptor that do not contain the N1 insert.
Immunogen	Synthetic peptide corresponding to amino acid residues specific to the NR1 subunit, N1 splice variant insert conjugated to KLH. Accession # P35439
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:100, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Frozen 1:1000-1:2000
Application Notes	NB 300-114 can be used in Western blot where a band is seen at ~ 100 kDa representing the NMDAR1 N1 splice variant.

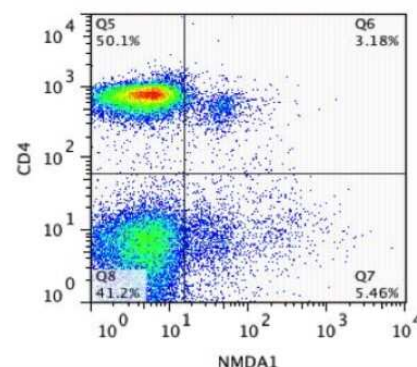


Images

Western Blot: NMDA receptor N1 Antibody [NB300-114] - 10 ug of HEK 293 cells expressing: Lane 1 - NR1 subunit containing the N1 and C2' Insert showing specific immunolabeling of the ~120k NR1 subunit of the NMDA receptor containing the N1 splice variant insert.; Lane 2 - NR1 subunit containing only the C2 Insert; Lane 3 - NR1 subunit containing the C1 and C2' Insert; Lane 4 - without NR1 expression (Mock).



Flow Cytometry: NMDA receptor N1 Antibody [NB300-114] - CD4+ Lymphocytes expressing NMDAR1. Image provided by verified customer.



Publications

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]



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Products Related to NB300-114

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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