

# Product Datasheet

## NMDA R, NR1 Subunit Antibody - Splice Variant - 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 - Splice Variant - Azide and BSA Free**

<b>Product Information</b>	
<b>Unit Size</b>	0.025 mg
<b>Concentration</b>	LYOPH mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Reconstitute with 50 uL PBS to desired concentration.
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	Lyophilized
<b>Target Molecular Weight</b>	120 kDa

<b>Product Description</b>	
<b>Description</b>	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).
<b>Host</b>	Rabbit
<b>Gene ID</b>	2902
<b>Gene Symbol</b>	GRIN1
<b>Species</b>	Mouse, Rat
<b>Reactivity Notes</b>	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.
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	Synthetic peptide corresponding to amino acid residues specific to the NR1 subunit, N1 splice variant insert conjugated to KLH. Accession # P35439

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Frozen 1:1000-1:2000
<b>Application Notes</b>	NB 300-114 can be used in Western blot where a band is seen at ~ 100 kDa representing the NMDAR1 N1 splice variant.



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### **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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