

# Product Datasheet

## NMDAR2B Antibody (NR2B)

### NB100-74475

Unit Size: 100 ug

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

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**NB100-74475****NMDAR2B Antibody (NR2B)**

<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	NR2B
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS with 1 mg/ml BSA
<b>Target Molecular Weight</b>	166 kDa

<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	2904
<b>Gene Symbol</b>	GRIN2B
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
<b>Immunogen</b>	Recombinant protein: NR2B subunit of amino acid residues 934-1457.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 2 ug/ml, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:10 - 1:100
<b>Application Notes</b>	Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 25815887).



## Images

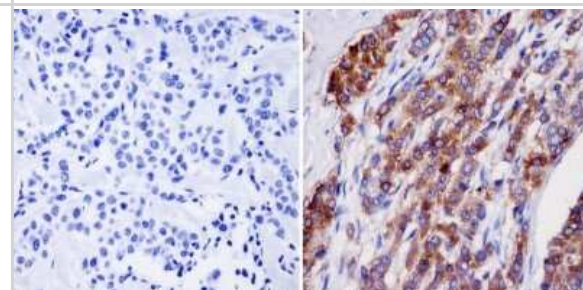
Western Blot: NMDAR2B Antibody (NR2B) [NB100-74475] - Analysis of NMDA receptor type 2B in mouse brain tissue.

**Fig. 1**

NR2B



Immunohistochemistry-Paraffin: NMDAR2B Antibody (NR2B) [NB100-74475] - Analysis showing staining in the cytoplasm and membrane of human breast tissue (right) compared with a negative control without primary antibody (left).



## Publications

Parnell E, Voorn RA, Martin-de-Saavedra MD et al. A developmental delay linked missense mutation in Kalirin-7 disrupts protein function and neuronal morphology *Frontiers in Molecular Neuroscience* 2022-12-01 [PMID: 36533124]

Allen AT, Heaton EC, Shapiro LP et al. Inter-individual variability amplified through breeding reveals control of reward-related action strategies by Melanocortin-4 Receptor in the dorsomedial striatum *Communications biology* 2022-02-08 [PMID: 35136204] (WB, Mouse)

Jiang H, Ye H, Wang Y et al. Anti-N-Methyl-D-Aspartate Receptor Encephalitis Associated with Ovarian Teratoma in South China-Clinical Features, Treatment, Immunopathology, and Surgical Outcomes of 21 Cases *Disease Markers* 2021-05-21 [PMID: 34093900] (IHC-P, Human)

Lopez J, Roffwarg H P et al. Rapid eye movement sleep deprivation decreases long-term potentiation stability and affects some glutamatergic signaling proteins during hippocampal development. *Neuroscience* 2008-04-22 [PMID: 18359575] (WB, Rat)

Ramberger M, Peschl P, Schanda K et al. Comparison of diagnostic accuracy of microscopy and flow cytometry in evaluating N-methyl-d-aspartate receptor antibodies in serum using a live cell-based assay *PLoS ONE* 2015-03-30 [PMID: 25815887] (ICC/IF, Human)



### **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](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NB100-74475**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00002904-Q01-10ug	Recombinant Human NMDAR2B GST (N-Term) Protein

### **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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