

Product Datasheet

NMDAR2B [p Tyr1336] Antibody - Azide Free NB300-295

Unit Size: 0.1 ml

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

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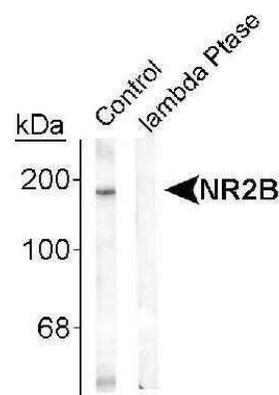


NB300-295**NMDAR2B [p Tyr1336] Antibody - Azide Free**

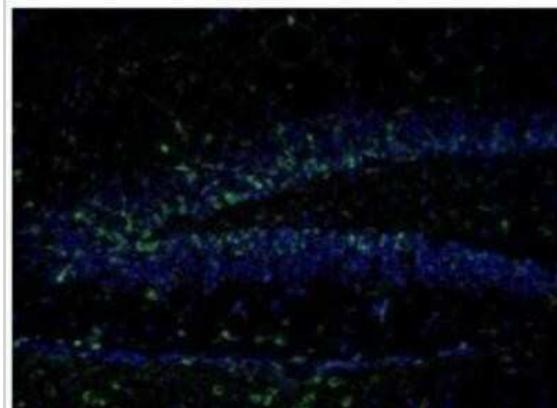
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
Target Molecular Weight	180 kDa
Product Description	
Host	Rabbit
Gene ID	2904
Gene Symbol	GRIN2B
Species	Mouse, Rat
Specificity/Sensitivity	Specific for endogenous levels of the ~180 kDa NMDAR2B protein phosphorylated at Tyr1336 . Immunolabeling is completely eliminated by treatment with lambda-phosphatase.
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Tyr1336 conjugated to KLH. Accession # Q00960
Product Application Details	
Applications	Western Blot, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:400
Application Notes	This antibody has been tested in Western blot on rat brain hippocampal lysate, detecting a band ~180 kDa.

Images

Western Blot: NMDAR2B [p Tyr1336] Antibody [NB300-295] - Analysis of Rat hippocampal lysate showing specific immunolabeling of the ~180k NR2B subunit of the NMDAR (Control). The phosphospecificity of this labeling is shown in the second lane (lambda-phosphatase: lambda Ptase). The blot is identical to the control except that it was incubated in lambda Ptase (1200 units for 30 min) before being exposed to the Anti-Phospho-Tyr1336 NMDA NR2B subunit. The immunolabeling of NR2B is completely eliminated by treatment with lambda Ptase.



Immunohistochemistry: NMDAR2B [p Tyr1336] Antibody [NB300-295] - Staining of Mouse dentate gyrus 48 hr post TMT treatment showing NR2B when phosphorylated at Tyr1336 in green and nuclei in blue.



Publications

Berrout L, Isokawa M. Ghrelin upregulates the phosphorylation of the GluN2B subunit of the NMDA receptor by activating GHSR1a and Fyn in the rat hippocampus. *Brain Res.* 2017-10-06 [PMID: 28993142] (Rat)



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Products Related to NB300-295

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