Product Datasheet

NMDAR2B [p Tyr1472] Antibody - Azide Free
NB300-182

Unit Size: 0.1 ml

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

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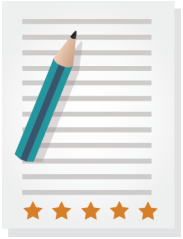
Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB300-182

Updated 9/9/2025 v.20.1



NB300-182

NMDAR2B [p Tyr1472] 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	10 mM HEPES (pH 7.5), 0.15 M NaCl, 0.1 mg/mL BSA, 50% Glycerol
Target Molecular Weight	180 kDa

Product Description

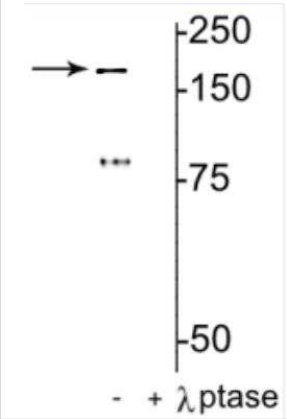
Description	Novus Biologicals Rabbit NMDAR2B [p Tyr1472] Antibody - Azide Free (NB300-182) is a polyclonal antibody validated for use in WB. Anti-NMDAR2B Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2904
Gene Symbol	GRIN2B
Species	Human, Mouse, Rat
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 28273943).
Specificity/Sensitivity	Specific for endogenous levels of the ~180 kDa NMDAR2B protein phosphorylated at Tyr1472. Immunolabeling is completely eliminated by treatment with lambda-phosphatase.
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Tyr1472 conjugated to KLH. Accession # Q00960

Product Application Details

Applications	Western Blot
Recommended Dilutions	Western Blot 1:1000
Application Notes	NOTE: Immunolabeling is blocked by the phosphopeptide but not by the dephosphopeptide. The antibody also labels bands at ~65kDa and ~115kDa.

Images

Western Blot: NMDAR2B [p Tyr1472] Antibody [NB300-182] - Rat hippocampal lysate showing specific immunolabeling of the ~180 kDa NR2B subunit of the NMDAR phosphorylated at Tyr1472 in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is completely eliminated by lysate treatment with lambda phosphatase (400 units/100uL lysate for 30 min).



Publications

Zhu JM, Li KX, Cao SX et al. Increased NRG1-ErbB4 signaling in human symptomatic epilepsy. Sci Rep. 2017-12-01 [PMID: 28273943] (WB, Human)

Hallett PJ, Spoelgen R, Hyman BT et al. Dopamine D1 activation potentiates striatal NMDA receptors by tyrosine phosphorylation-dependent subunit trafficking. J Neurosci. 2006-04-26 [PMID: 16641250] (WB, Rat)

Details:
WB: primary rat embryonic neuronal cells, Fig 7D

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Products Related to NB300-182

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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