

Product Datasheet

NMDAR2C Antibody - Azide and BSA Free NB300-107

Unit Size: 0.01 mg

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

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NB300-107

NMDAR2C Antibody - Azide and BSA Free

Product Information

Unit Size	0.01 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	140 kDa

Product Description

Description	Recommended that the undiluted antibody be aliquoted into smaller working volumes (10-30 uL/vial depending on usage).
Host	Rabbit
Gene ID	2905
Gene Symbol	GRIN2C
Species	Human, Mouse, Rat
Specificity/Sensitivity	Specific for endogenous levels of the ~140 kDa NR2C subunit of the NMDA receptor. Also labels the ~180 kDa NR2A and the ~180 kDa NR2B subunits of the NMDA receptor. Immunolabeling is blocked by preadsorption of antibody with the immunogen that was used to generate the antibody.
Immunogen	Fusion protein from the N-terminal region of the NMDAR2C subunit. Accession # Q00961

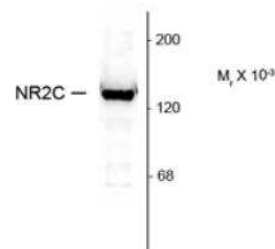
Product Application Details

Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Simple Western 1:25, Immunocytochemistry/ Immunofluorescence 1:1000, Immunoprecipitation 3 ul per 200 ug lysate
Application Notes	This antibody cross reacts with both NR2A and NR2B, as such, results in immunohistochemistry are varied.

Images

Western Blot: NMDA R, NR2C Subunit Antibody [NB300-107]

Anti-NMDA Receptor, NR2C Subunit



Western blot of rat cerebellar lysate showing specific immunolabeling of the ~140k NR2C subunit of the NMDA Receptor.

Publications

Samia Afzal, Nora Dürrast, Iman Hassan, Elaheh Soleimanpour, Pei-Ling Tsai, Daniela C Dieterich, Markus Fendt Probing cognitive flexibility in Shank2-deficient mice: Effects of D-cycloserine and NMDAR signaling hub dynamics. Progress in neuro-psychopharmacology & biological psychiatry 2024-06-05 [PMID: 38849086]

Xia Y, Ding L, Zhang C et al. Inflammatory Factor IL1 β Induces Aberrant Astrocyte Proliferation in Spinal Cord Injury Through the Grin2c/Ca²⁺/CaMK2b Pathway Neuroscience bulletin 2023-10-21 [PMID: 37864744] (IHC-Fr, Mouse)

Seifried, L;Soleimanpour, E;Dieterich, DC;Fendt, M; Cognitive Flexibility in Mice: Effects of Puberty and Role of NMDA Receptor Subunits Cells 2023-04-22 [PMID: 37174612] (Simple Western, Mouse)

Nieland Thomas J F, Logan David J, Saulnier Jessica et al. High content image analysis identifies novel regulators of synaptogenesis in a high-throughput RNAi screen of primary neurons. PLoS One. 2014-03-14 [PMID: 24633176] (WB, Mouse)

Czaja K, Ritter RC, Burns GA N-methyl-D-aspartate receptor subunit phenotypes of vagal afferent neurons in nodose ganglia of the rat. J Comp Neurol 2006-06-20 [PMID: 16628619] (WB, ICC/IF, Rat)

Ruel J, Chabbert C, Nouvian R et al. Salicylate Enables Cochlear Arachidonic-Acid-Sensitive NMDA Receptor Responses. J Neurosci;28(29):7313-7323. 2008-01-01 [PMID: 18632935] (WB, Rat)





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Products Related to NB300-107

NBL1-11339	NMDAR2C Overexpression Lysate
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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