

Product Datasheet

NMDAR1 Antibody NB100-41105

Unit Size: 0.1 mg

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

www.novusbio.com



technical@novusbio.com

Publications: 4

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NB100-41105

NMDAR1 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	105 kDa

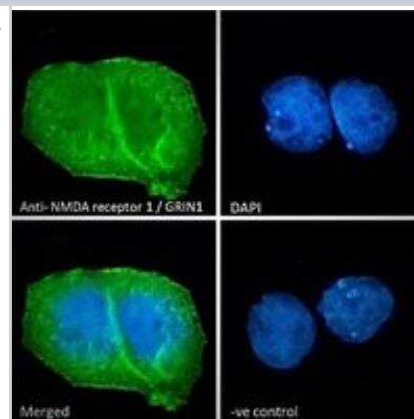
Product Description	
Description	Novus Biologicals Goat NMDAR1 Antibody (NB100-41105) is a polyclonal antibody validated for use in ICC/IF. Anti-NMDAR1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	2902
Gene Symbol	GRIN1
Species	Human, Mouse, Rat
Marker	Neuronal Marker
Specificity/Sensitivity	This antibody is expected to recognize all three reported isoforms (NP_000823.4; NP_067544.1; NP_015566.1).
Immunogen	Peptide with sequence C-TQERVNNSNKKE corresponding to internal region according to NP_067544.1, NP_015566.1.

Product Application Details	
Applications	Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Immunocytochemistry/ Immunofluorescence 10 ug/mL

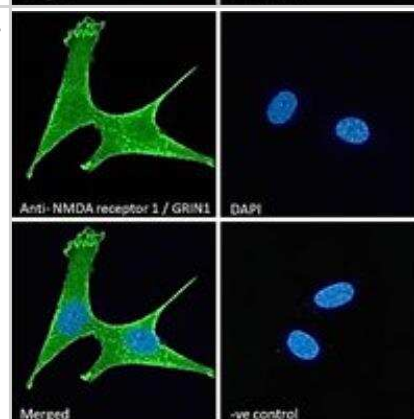


Images

Immunocytochemistry/Immunofluorescence: NMDAR1 Antibody [NB100-41105] - Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing plasma membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



Immunocytochemistry/Immunofluorescence: NMDAR1 Antibody [NB100-41105] - Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing plasma membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



Publications

Martínez-Lázaro R, Minguéz-Viñas T, Reyes-Carrión A et al. GRIN2B disease-associated mutations disrupt the function of BK channels and NMDA receptor signaling nanodomains *The Journal of General Physiology* 2025-09-01 [PMID: 40763259]

Gómez R, Maglio LE, Gonzalez-Hernandez AJ et al. NMDA receptor-BK channel coupling regulates synaptic plasticity in the barrel cortex *Proceedings of the National Academy of Sciences* 2021-08-31 [PMID: 34453004]

Rajji T, Chapman D, Eichenbaum H, Greene R. The role of CA3 hippocampal NMDA receptors in paired associate learning. *J Neurosci* 2006-01-18 [PMID: 16421310]

Gonzalez-Gonzalez IM, Henley JMet al. Postsynaptic Kainate Receptor Recycling and Surface Expression Are Regulated by Metabotropic Autoreceptor Signalling. *Traffic* 2013-04-04 [PMID: 23556457] (ICC/IF, Rat)



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
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB100-41105

NBL1-11338	NMDAR1 Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat 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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