

# Product Datasheet

## NMDAR2A Antibody - BSA Free NBP2-19551

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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**NBP2-19551**

NMDAR2A Antibody - BSA Free

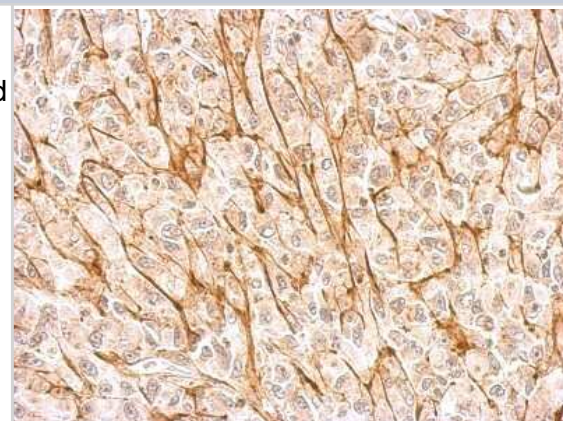
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol
Target Molecular Weight	165 kDa

Product Description	
Description	Novus Biologicals Rabbit NMDAR2A Antibody - BSA Free (NBP2-19551) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-NMDAR2A Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2903
Gene Symbol	GRIN2A
Species	Human, Mouse, Rat
Immunogen	Recombinant protein encompassing a sequence within the N-terminus region of human NMDAR2A. The exact sequence is proprietary.

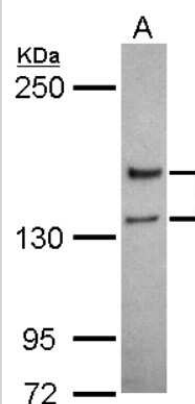
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

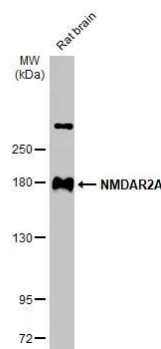
Immunohistochemistry-Paraffin: NMDAR2A Antibody [NBP2-19551] - NMDAR2A antibody detects GRIN2A protein at membrane on U87 xenograft by immunohistochemical analysis. Sample: Paraffin-embedded U87 xenograft. NMDAR2A antibody dilution: 1:500.



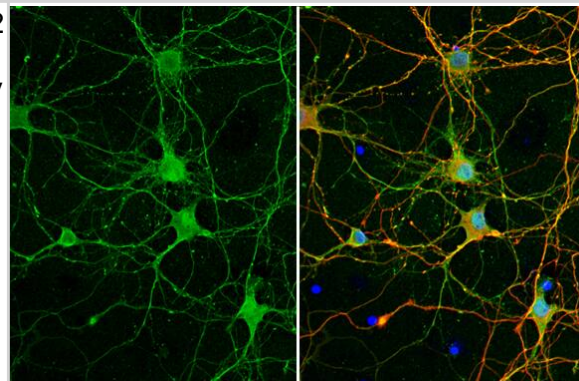
Western Blot: NMDAR2A Antibody [NBP2-19551] - Sample (30 ug of whole cell lysate) A: Jurkat 5% SDS PAGE gel, diluted at 1:1000.



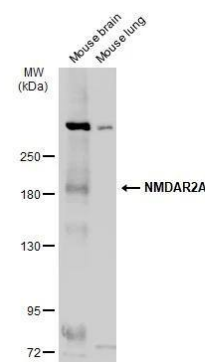
Western Blot: NMDAR2A Antibody [NBP2-19551] - Rat tissue extract (50 ug) was separated by 5% SDS-PAGE, and the membrane was blotted with NMDAR2A antibody (NBP2-19551) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Immunocytochemistry/ Immunofluorescence: NMDAR2A Antibody [NBP2-19551] - NMDAR2A antibody detects NMDAR2A protein at cell membrane by immunofluorescent analysis. Sample: DIV9 rat E18 primary cortical neuron cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: NMDAR2A stained by NMDAR2A antibody (NBP2-19551) diluted at 1:250. Red: Tau, an axon marker, stained by Tau antibody [GT287] diluted at 1:500. Blue: Fluoroshield with DAPI .



Various tissue extracts (50 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with NMDAR2A antibody (NBP2-19551) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



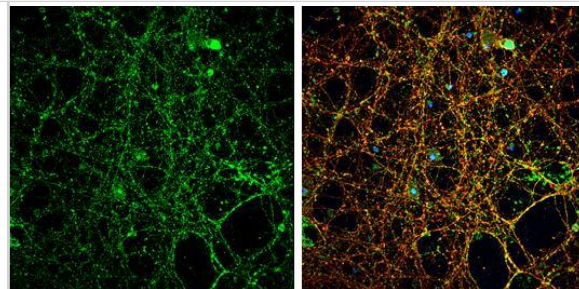
NMDAR2A antibody detects NMDAR2A protein by immunofluorescent analysis.

Sample: DIV14 rat E18 primary cortical neurons were fixed in 4% paraformaldehyde at RT for 15 min.

Green: NMDAR2A protein stained by NMDAR2A antibody (NBP2-19551) diluted at 1:500.

Red: beta Tubulin 3/ Tuj1, stained by beta Tubulin 3/ Tuj1 antibody [GT1338] diluted at 1:500.

Blue: Fluoroshield with DAPI .



## Publications

Z Du, Y Song, X Chen, W Zhang, G Zhang, H Li, L Chang, Y Wu Knockdown of astrocytic Grin2a aggravates beta-amyloid-induced memory and cognitive deficits through regulating nerve growth factor Aging Cell, 2021-07-22;0(0):e13437. 2021-07-22 [PMID: 34291567]

Ustunova S, Kilic A, Bulut H et al. Impaired memory by hippocampal oxidative stress in rats exposed to 900 MHz electromagnetic fields is ameliorated by thymoquinone Toxicological; Environmental Chemistry 2022-03-15



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### **Products Related to NBP2-19551**

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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

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### **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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