

Product Datasheet

NMDAR2A Antibody NBP2-19551

Unit Size: 0.1 ml

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

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NBP2-19551**NMDAR2A Antibody****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 (pH 7), 20% Glycerol
Target Molecular Weight	165 kDa

Product Description

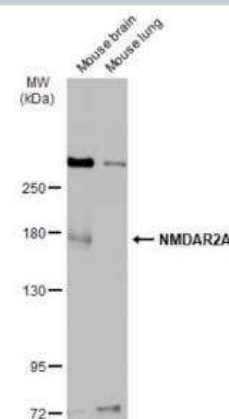
Host	Rabbit
Gene ID	2903
Gene Symbol	GRIN2A
Species	Human, Mouse, Rat
Immunogen	Recombinant protein encompassing a sequence within the N-terminus region of human NMDAR2A. The exact sequence is proprietary.

Product Application Details

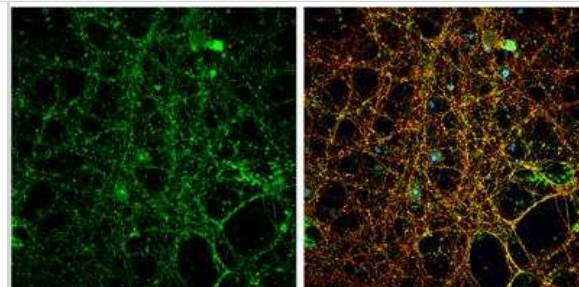
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

Images

Western Blot: NMDAR2A Antibody [NBP2-19551] - Various tissue extracts (50 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with NMDAR2A antibody (diluted at 1:500). The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



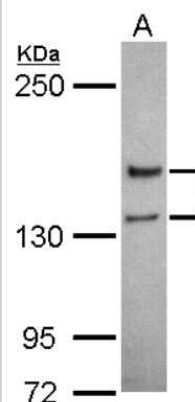
Immunocytochemistry/Immunofluorescence: NMDAR2A Antibody [NBP2-19551] - DIV14 rat E18 primary cortical neurons were fixed in 4% paraformaldehyde at RT for 15 min. Green: NMDAR2A protein stained by NMDAR2A antibody diluted at 1:500. Red: beta Tubulin 3/ Tuj1, stained by beta Tubulin 3/ Tuj1 antibody [1338] diluted at 1:500. Blue: Fluoroshield with DAPI.



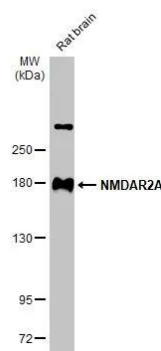
Immunohistochemistry-Paraffin: NMDAR2A Antibody [NBP2-19551] - NMDAR2A antibody detects GRIN2A protein at membrane on U87 xenograft by immunohistochemical analysis. Sample: Paraffin-embedded U87 xenograft. NMDAR2A antibody dilution: 1:500.



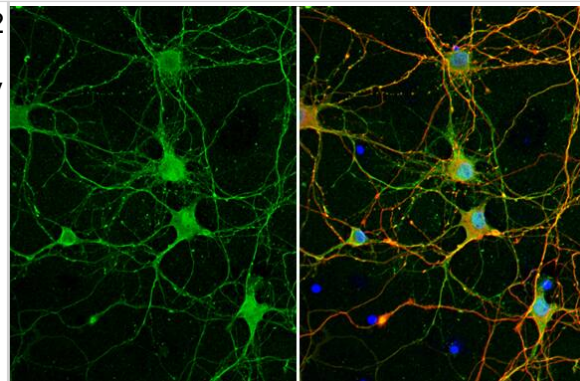
Western Blot: NMDAR2A Antibody [NBP2-19551] - Sample (30 ug of whole cell lysate) A: Jurkat 5% SDS PAGE gel, diluted at 1:1000.



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 .



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

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
DBD00	BDNF [HRP]

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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