

Product Datasheet

NMDAR2A Antibody - BSA Free 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 - 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 (pH 7), 20% Glycerol |
| Target Molecular Weight | 165 kDa |

Product Description

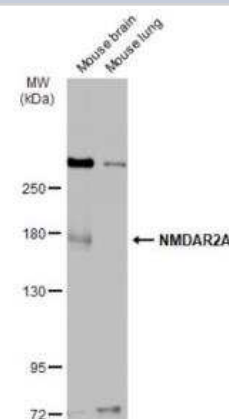
| | |
|--------------------|--|
| Description | Novus Biologicals Rabbit NMDAR2A Antibody - BSA Free (NBP2-19551) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-NMDAR2A Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | 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

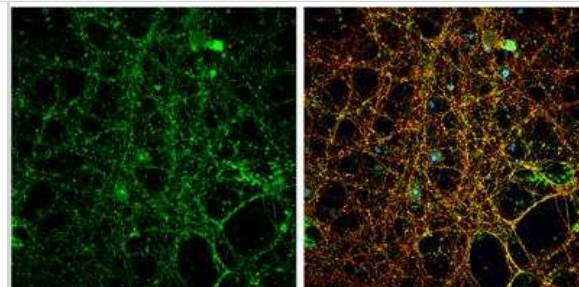
| | |
|------------------------------|--|
| Applications | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry |
| Recommended Dilutions | Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000,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

Images

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.



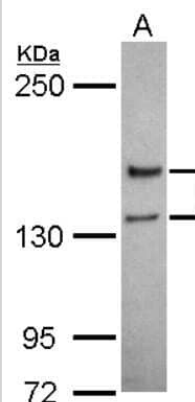
Immunocytochemistry/Immunofluorescence: NMDAR2A Antibody [NBP2-19551] - DIV14 rat E18 primary cortical neurons were fixed in 4% paraformaldehyde at RT for 15 min. Green: NMDAR2A protein stained by NMDAR2A antibody diluted at 1:500. Red: beta Tubulin 3/ Tuj1, stained by beta Tubulin 3/ Tuj1 antibody [1338]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



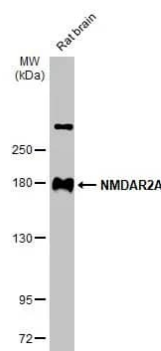
Immunohistochemistry-Paraffin: NMDAR2A Antibody [NBP2-19551] - NMDAR2A antibody detects GRIN2A protein at membrane on U87 xenograft by immunohistochemical analysis. Sample: Paraffin-embedded U87 xenograft. NMDAR2A antibody dilution: 1:500.



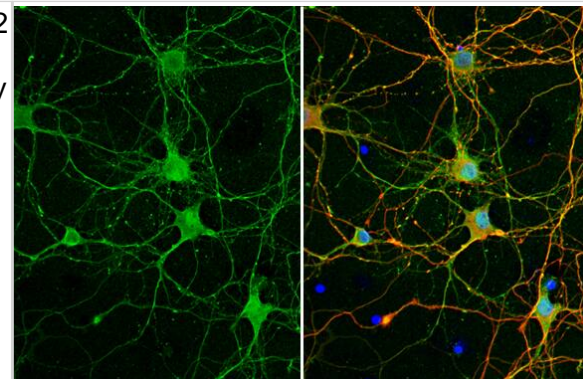
Western Blot: NMDAR2A Antibody [NBP2-19551] - Sample (30 ug of whole cell lysate) A: Jurkat 5% SDS PAGE gel, diluted at 1:1000.



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



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 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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