

Product Datasheet

NMDAR2A Antibody (S327-95)

NBP2-22405

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-22405

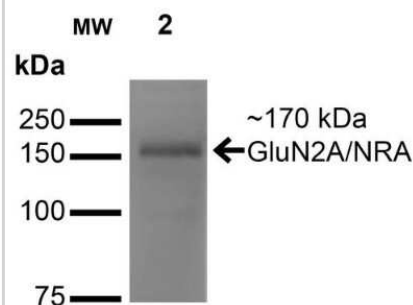
NMDAR2A Antibody (S327-95)

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	S327-95
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Host	Mouse
Gene ID	2903
Gene Symbol	GRIN2A
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects approx 170kDa. Does not react with NR2B.
Immunogen	Fusion protein amino acids 75-325 (extracellular N-terminus) of rat GluN2A/NR2A
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence
Application Notes	1 ug/ml of GluN2A/NR2A Antibody was sufficient for detection o GluN2A/NR2A in 20 ug of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody.

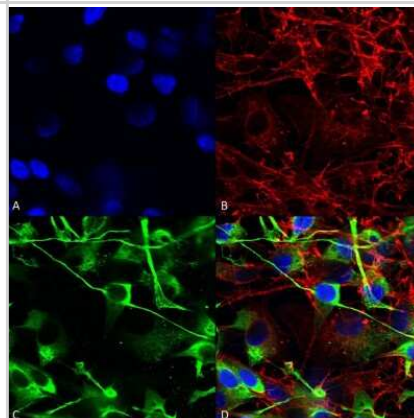


Images

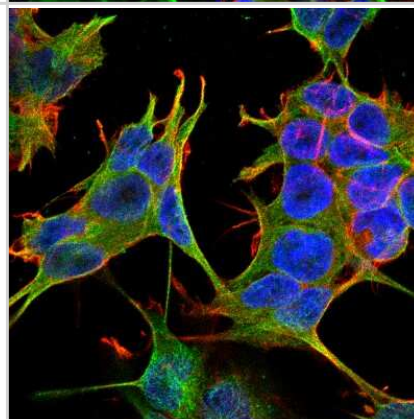
Western Blot: NMDAR2A Antibody (S327-95) [NBP2-22405] - Western Blot analysis of Monkey COS cells transfected with GFP-tagged NMDAR2A showing detection of ~170 kDa NMDAR2A protein using Mouse Anti-NMDAR2A Monoclonal Antibody, Clone S327-95 (NBP2-22405). Lane 1: Molecular Weight Ladder. Lane 2: Monkey COS cells transfected with GFP-tagged NMDAR2A. Load: 15 ug. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: Mouse Anti-NMDAR2A Monoclonal Antibody (NBP2-22405) at 1:200 for 16 hours at 4C. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:1000 for 1 hour RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: ~170 kDa. Other Band(s): 100 kDa.



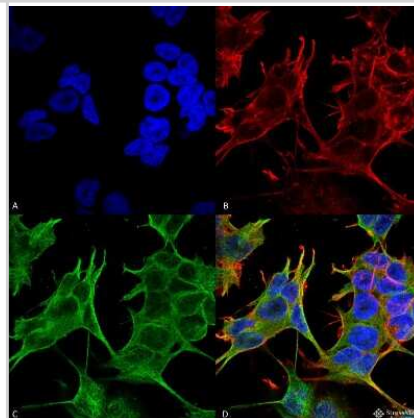
Immunocytochemistry/Immunofluorescence: NMDAR2A Antibody (S327-95) [NBP2-22405] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-GluN2A/NR2A Monoclonal Antibody, Clone S327-95 (NBP2-22405). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-GluN2A/NR2A Monoclonal Antibody (NBP2-22405) at 1:200 for overnight at 4C with slow rocking. Secondary Antibody: AlexaFluor 488 at 1:1000 for 1 hour at RT. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain; Hoechst (blue) nuclear stain at 1:800, 1.6mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) GluN2A/NR2A Antibody (D) Composite.



Immunocytochemistry/Immunofluorescence: NMDAR2A Antibody (S327-95) [NBP2-22405] - Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-GluN2A/NR2A Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT. Localization: Cell Membrane, Cell Junction. Magnification: 60X.



Immunocytochemistry/Immunofluorescence: NMDAR2A Antibody (S327-95) [NBP2-22405] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-GluN2A/NR2A Monoclonal Antibody, Clone S327-95 (NBP2-22405). Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-GluN2A/NR2A Monoclonal Antibody (NBP2-22405) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT. Localization: Cell Membrane, Cell Junction. Magnification: 60X. (A) DAPI (blue) nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) GluN2A/NR2A Antibody. (D) Composite.



Publications

Wang Y, Han J, Zhu J et al. GluN2A/ERK/CREB Signaling Pathway Involved in Electroacupuncture Regulating Hypothalamic-Pituitary-Adrenal Axis Hyperactivity *Frontiers in Neuroscience* 2021-09-30 [PMID: 34658758] (Immunocytochemistry/ Immunofluorescence)

Migita K, Nishimura A, Eto F et al. Muscarinic M1 receptors stimulated by intracerebroventricular administration of McN-A-343 reduces the nerve injury-induced mechanical hypersensitivity via GABAB receptors rather than GABAA receptors in mice *J Pharmacol Sci* 2019-12-11 [PMID: 31818640]





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Products Related to NBP2-22405

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
DBD00	BDNF [HRP]

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