

NMDAR2A Monoclonal Antibody (S327A-38), PerCP

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	S327A-38
Conjugate	PerCP
Excitation/Emission Max	482/675 nm
Immunogen	Fusion protein amino acids 75-325 (extracellular N-terminus) of rat GluN2A/NR2A
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	47.35mM phosphate/2.15mM MES, pH 7.4, with 1.033mM EDTA
Contains	no preservative
Storage conditions	4° C

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunohistochemistry (IHC)	Assay-dependent	-
Immunocytochemistry (ICC/IF)	1:100	-

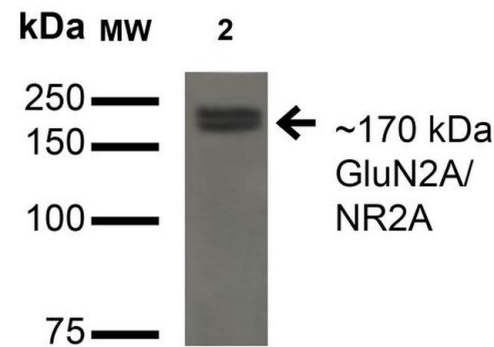
Product Specific Information

1 µg/mL of MA5-45613 was sufficient for detection of GluN2A/NR2A in 20 µg of COS cells transiently transfected with GFP-tagged NR2A lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody. |Detects approximately 170kDa. Does not react with NR2B.

Product Images For NMDAR2A Monoclonal Antibody (S327A-38), PerCP

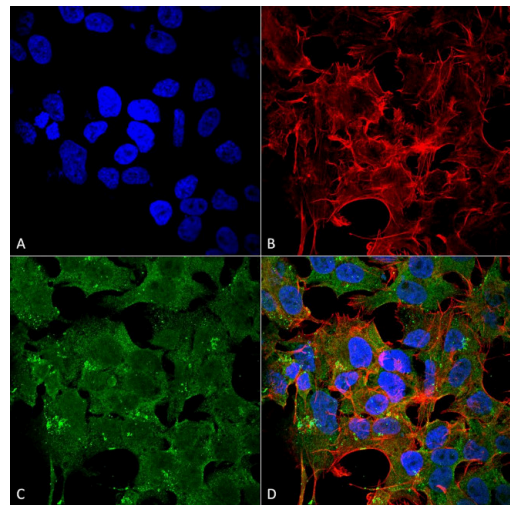
NMDAR2A Antibody (MA5-45613) in WB

Western Blot analysis of Monkey COS cells transfected with GFP-tagged NR2A showing detection of ~170 kDa GluN2A/NR2A protein. Lane 1: Molecular Weight Ladder. Lane 2: Monkey COS cells transfected with GFP-tagged NR2A. Load: 15 µg. Blocking: 2% BSA and 2% Skim Milk in 1X TBST. Samples were incubated with GluN2A/NR2A monoclonal antibody (Product # MA5-45613) at 1:200 for 16 hours at 4°C, followed by Goat Anti-Mouse IgG: HRP at 1:1,000 for 1 hour RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: ~170 kDa.



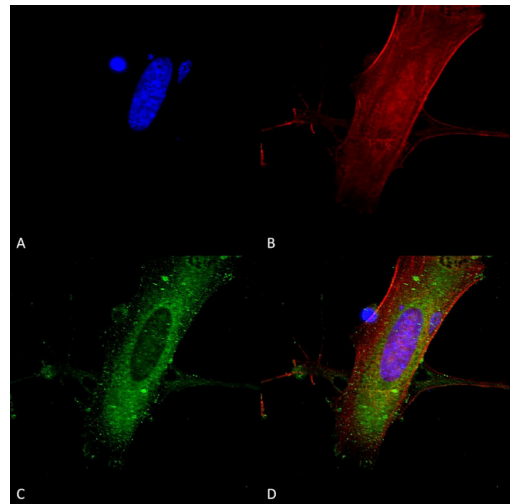
NMDAR2A Antibody (MA5-45613) in ICC/IF

Immunocytochemistry/Immunofluorescence analysis using human neuroblastoma cells. Fixation involved 4% Formaldehyde for 15 min at RT. Samples were incubated with GluN2A/NR2A monoclonal antibody (Product # MA5-45613) at 1:100 for 60 min at RT, followed by Goat Anti-Mouse ATTO 488 at 1:200 for 60 min at RT. Counterstain used was Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1,000, 1:5,000 for 60 min at RT, 5 min at RT. Localization: Cell Membrane, Cytoplasm. Magnification: 60X. (A) Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain. (B) Anti-GluN2A/NR2A antibody. (C) Composite. (A) DAPI (blue) nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) GluN2A/NR2A antibody. (D) Composite.



NMDAR2A Antibody (MA5-45613) in ICC/IF

Immunocytochemistry/Immunofluorescence analysis using human neuroblastoma cells. Fixation involved 4% PFA for 15 min. Samples were incubated with GluN2A/NR2A monoclonal antibody (Product # MA5-45613) at 1:100 for overnight at 4°C with slow rocking, followed by AlexaFluor 488 at 1:1,000 for 1 hour at RT. Counterstain used was 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 (green) and Hoechst (blue) nuclear stain. (D) Composite.



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