

Product Datasheet

mGluR5/1 Antibody (S75-3)

NBP2-22424

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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NBP2-22424

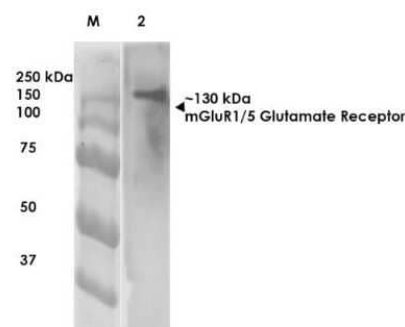
mGluR5/1 Antibody (S75-3)

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	S75-3
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Host	Mouse
Gene ID	2915
Gene Symbol	GRM5
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects approx 130kDa (both mGluR1 and mGluR5).
Immunogen	Fusion protein amino acids 824-1203 (cytoplasmic C-terminus) of rat mGluR5b
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:1000, Immunoprecipitation
Application Notes	1 ug/ml of mGluR1/5 glutamate receptor Antibody was sufficient for detection of mGluR1/5 glutamate receptor in 20 ug of rat brain membrane lysate and assayed by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary Antibody.

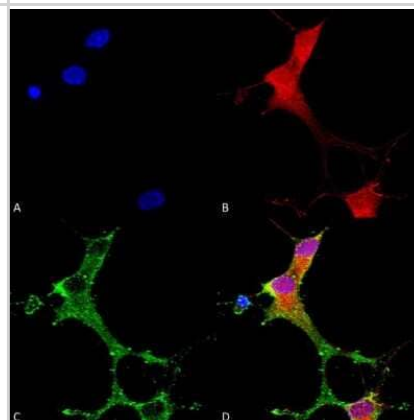


Images

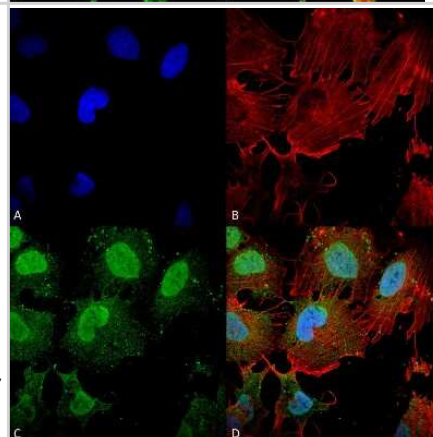
Western Blot: mGluR5/1 Antibody (S75-3) [NBP2-22424] - Western Blot analysis of Rat Brain Membrane showing detection of ~130 kDa mGluR5/1 protein using Mouse Anti-mGluR5/1 Monoclonal Antibody, Clone S75-33 (NBP2-22424). Lane 1: Molecular Weight (MW) Ladder. Lane 2: Rat Brain Membrane. Load: 10 ug. Block: 5% milk. Primary Antibody: Mouse Anti-mGluR5/1 Monoclonal Antibody (NBP2-22424) at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:200 for 1 hour at RT. Color Development: TMB solution for 10 min at RT. Predicted/Observed Size: ~130 kDa.



Immunocytochemistry/Immunofluorescence: mGluR5/1 Antibody (S75-3) [NBP2-22424] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-mGluR1/5 Monoclonal Antibody, Clone S75-3 (NBP2-22424). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-mGluR1/5 Monoclonal Antibody (NBP2-22424) at 1:50 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) mGluR1/5 Antibody (D) Composite.



Immunocytochemistry/Immunofluorescence: mGluR5/1 Antibody (S75-3) [NBP2-22424] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-mGluR1/5 glutamate receptor Monoclonal Antibody, Clone S75-3 (NBP2-22424). Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-mGluR1/5 glutamate receptor Monoclonal Antibody (NBP2-22424) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:200 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60 min at RT, 5 min at RT. Localization: Cell Membrane, Cytoplasm, Nucleus. Magnification: 60X. (A) DAPI (blue) nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) mGluR1/5 glutamate receptor Antibody. (D) Composite.





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Products Related to NBP2-22424

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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
NBP2-22203	ERK1 Antibody (1E5) - BSA Free

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