

Product Datasheet

Neurologin 3/NLGN3 Antibody (S110-29) - BSA Free NBP2-42200

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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NBP2-42200

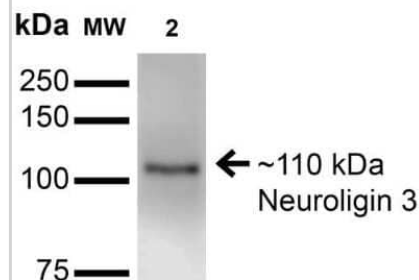
Neurologin 3/NLGN3 Antibody (S110-29) - BSA Free

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	S110-29
Preservative	0.1% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Description	Novus Biologicals Mouse Neurologin 3/NLGN3 Antibody (S110-29) - BSA Free (NBP2-42200) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	54413
Gene Symbol	NLGN3
Species	Human, Mouse, Rat
Reactivity Notes	Immunogen displays sequence identity for non-tested species: Human and Mouse.
Specificity/Sensitivity	Approx 60% identity with Neurologin-1. approx 40% identity with Neurologin-2. Detects approx 110kDa. Does not cross-react with Neurologin-1, -2, -4 or -4.
Immunogen	Fusion protein amino acids 730-848 (intracellular C-terminus) of rat Neurologin-3. Mouse: 99% identity (118/119 amino acids identical). Human: 98% identity (116/119 amino acids identical) ~60% identity with Neurologin-1. ~40% identity with Neurologin-2.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence
Application Notes	1 ug/ml of Neurologin 3 Antibody was sufficient for detection of Neurologin 3 in 20 ug of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody.

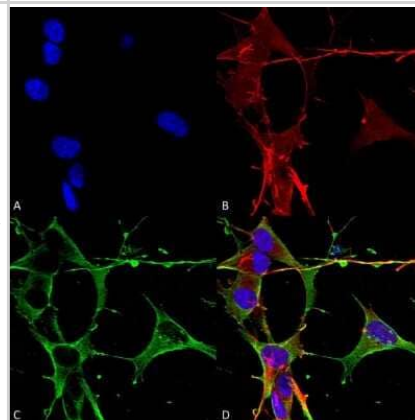


Images

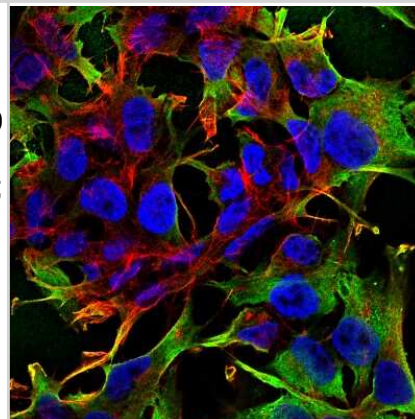
Western Blot: Neuroligin 3/NLGN3 Antibody (S110-29) [NBP2-42200] -
Western Blot analysis of Mouse Brain Membrane showing detection of ~110 kDa Neuroligin 3/NLGN3 protein using Mouse Anti-Neuroligin 3/NLGN3 Monoclonal Antibody, Clone S110-29 (NBP2-42200). Lane 1: Molecular Weight Ladder. Lane 2: Mouse Brain Membrane. Load: 15 ug. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: Mouse Anti-Neuroligin 3/NLGN3 Monoclonal Antibody (NBP2-42200) 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: ~110 kDa.



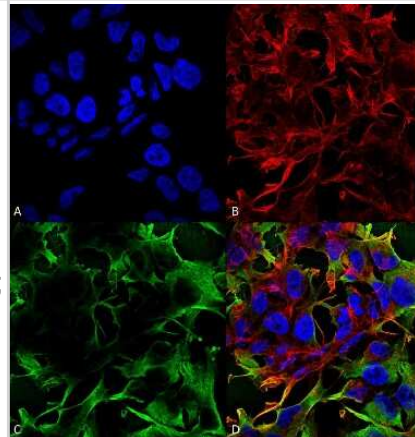
Immunocytochemistry/Immunofluorescence: Neuroligin 3/NLGN3 Antibody (S110-29) [NBP2-42200] -
Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Neuroligin 3/NLGN3 Monoclonal Antibody, Clone S110-29 (NBP2-42200). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-Neuroligin 3/NLGN3 Monoclonal Antibody (NBP2-42200) 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) Neuroligin 3/NLGN3 Antibody (D) Composite.



Immunocytochemistry/Immunofluorescence: Neuroligin 3/NLGN3 Antibody (S110-29) [NBP2-42200] - Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-Neuroligin 3 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, Synapse . Magnification: 60X.



Immunocytochemistry/Immunofluorescence: Neuroligin 3/NLGN3 Antibody (S110-29) [NBP2-42200] -
Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Neuroligin 3/NLGN3 Monoclonal Antibody, Clone S110-29 (NBP2-42200). Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-Neuroligin 3/NLGN3 Monoclonal Antibody (NBP2-42200) 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, Synapse . Magnification: 60X. (A) DAPI (blue) nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) Neuroligin 3/NLGN3 Antibody. (D) Composite.





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Products Related to NBP2-42200

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-90080PEP	Neurologin 3/NLGN3 Recombinant Protein Antigen

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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