

Product Datasheet

Neurologin 1/NLGN1 Antibody (S97A-31) - BSA Free NBP2-42192

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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Publications: 1

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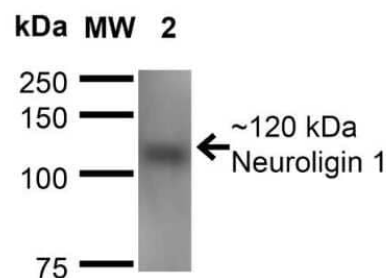
NBP2-42192

Neuroigin 1/NLGN1 Antibody (S97A-31) - BSA Free

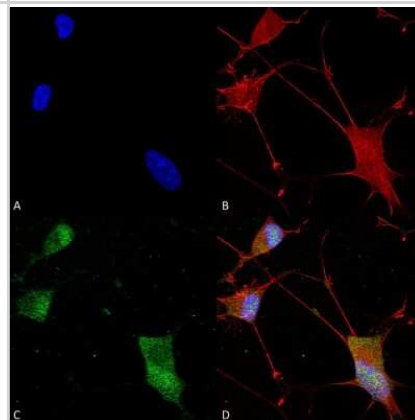
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	S97A-31
Preservative	0.1% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Description	Novus Biologicals Mouse Neuroigin 1/NLGN1 Antibody (S97A-31) - BSA Free (NBP2-42192) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Neuroigin 1/NLGN1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	22871
Gene Symbol	NLGN1
Species	Human, Mouse, Rat
Specificity/Sensitivity	Greater then 40% identity with Neuroigin-2 and -3. Detects approx 120kDa. Does not cross-react with other Neuroiginins.
Immunogen	Fusion protein amino acids 718-843 (cytoplasmic C-terminus) of rat Neuroigin-1. Mouse: 99% identity (125/126 amino acids identical). Human: 99% identity (125/126 amino acids identical) >40% identity with Neuroigin-2 and -3.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100
Application Notes	2 ug/ml of Neuroigin 1 Antibody was sufficient for detection of Neuroigin-1 in 20 ug of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody.

Images

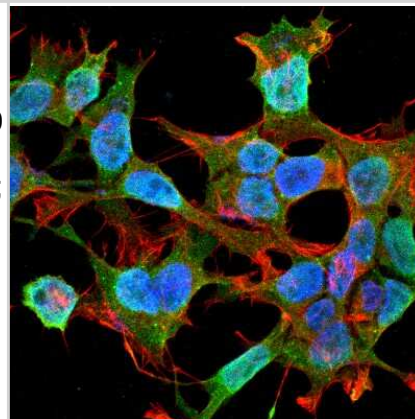
Western Blot: Neuroigin 1/NLGN1 Antibody (S97A-31) [NBP2-42192] -
 Western Blot analysis of Mouse Brain Membrane showing detection of ~120 kDa Neuroigin 1/NLGN1 protein using Mouse Anti-Neuroigin 1/NLGN1 Monoclonal Antibody, Clone S97A-31 (NBP2-42192). Lane 1: Molecular Weight Ladder. Lane 2: Mouse Brain Membrane. Load: 15 ug. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: Mouse Anti-Neuroigin 1/NLGN1 Monoclonal Antibody (NBP2-42192) 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: ~120 kDa.



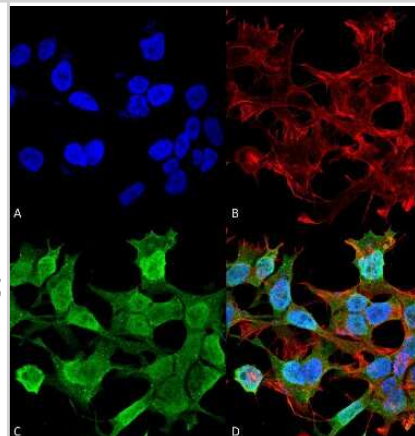
Immunocytochemistry/Immunofluorescence: Neuroigin 1/NLGN1 Antibody (S97A-31) [NBP2-42192] -
 Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Neuroigin 1/NLGN1 Monoclonal Antibody, Clone S97A-31 (NBP2-42192). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-Neuroigin 1/NLGN1 Monoclonal Antibody (NBP2-42192) at 1:100 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) Neuroigin 1/NLGN1 Antibody (D) Composite.



Immunocytochemistry/Immunofluorescence: Neuroigin 1/NLGN1 Antibody (S97A-31) [NBP2-42192] - Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-Neuroigin 1 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, Nucleus. Magnification: 60X.



Immunocytochemistry/Immunofluorescence: Neuroigin 1/NLGN1 Antibody (S97A-31) [NBP2-42192] -
 Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Neuroigin 1/NLGN1 Monoclonal Antibody, Clone S97A-31 (NBP2-42192). Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-Neuroigin 1/NLGN1 Monoclonal Antibody (NBP2-42192) 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, Nucleus. Magnification: 60X. (A) DAPI (blue) nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) Neuroigin 1/NLGN1 Antibody. (D) Composite.



Publications

Hacisuleyman E, Hale CR, Noble N et Al. Neuronal activity rapidly reprograms dendritic translation via eIF4G2:uORF binding Nat Neurosci 2024-04-08 [PMID: 38589584]



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Products Related to NBP2-42192

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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