

# Product Datasheet

## Neurologin 4X/NLGN4X Antibody (S98-7) - BSA Free NBP2-42198

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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**NBP2-42198**

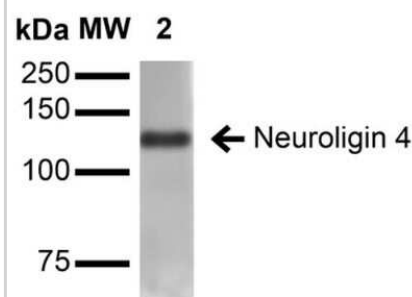
Neurologin 4X/NLGN4X Antibody (S98-7) - BSA Free

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	S98-7
Preservative	0.1% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Host	Mouse
Gene ID	57502
Gene Symbol	NLGN4X
Species	Mouse, Rat
Specificity/Sensitivity	Approx 45% identity with Neurologin-1, -2 and -3. Detects approx 25-130kDa.
Immunogen	Fusion protein amino acids 782-945 (intracellular C-terminus) of mouse Neurologin 4. ~45% identity with Neurologin-1, -2 and -3.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	1 ug/ml of Neurologin 4 Antibody was sufficient for detection of Neurologin 4 in 20 ug of mouse brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody.



## Images

Western Blot: Neuroligin 4X/NLGN4X Antibody (S98-7) [NBP2-42198] - Western Blot analysis of Rat Brain Membrane showing detection of ~125-130 kDa Neuroligin 4X/NLGN4X protein using Mouse Anti-Neuroligin 4X/NLGN4X Monoclonal Antibody, Clone S98-7 (NBP2-42198). Lane 1: Molecular Weight Ladder (MW). Lane 2: Mouse Brain Membrane. Load: 15 ug. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: Mouse Anti-Neuroligin 4X/NLGN4X Monoclonal Antibody (NBP2-42198) at 1:1000 for 16 hours at 4C. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 6 min at RT. Predicted/Observed Size: ~125-130 kDa.



Immunocytochemistry/Immunofluorescence: Neuroligin 4X/NLGN4X Antibody (S98-7) [NBP2-42198] - Tissue: Dentate Gyrus. Species: Mouse. Fixation: formaldehyde-fixed paraffin embedded. Primary Antibody: Mouse Anti-Neuroligin 4 Monoclonal Antibody at 1:100. Secondary Antibody: FITC Goat Anti-Mouse (green). Counterstain: DAPI (blue) nuclear stain at 1:1000. Courtesy of: Rachel Reith, NIH/NIMH.





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### **Products Related to NBP2-42198**

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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)
NBP1-89684PEP	Neurologin 4X/NLGN4X Recombinant Protein Antigen

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### **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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