Anti-Neuroligin 3 Antibody [S110-29] (A304790)

Specifications:

Name:	Anti-Neuroligin 3 Antibody [S110-29]
Description:	Mouse monoclonal [S110-29] antibody to Neuroligin 3.
Applications:	WB, IHC, ICC/IF
Recommended Dilutions:	WB: 1:1,000
Reactivity:	Human, Mouse, Rat
Cross Reactivity:	This antibody does not cross-react with Neuroligin-1, -2, or -4.
Immunogen:	Fusion protein amino acids 730-848 (intracellular C-terminus) of rat Neuroligin-3. Mouse: 99% identity (118/119 amino acids identical). Human: 98% identity (116/119 amino acids identical) ~60% identity with Neuroligin-1. ~40% identity with Neuroligin-2..
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	S110-29
Isotype:	IgG1
Conjugate:	Unconjugated
Purification:	Protein G purification.
Concentration:	1 mg/ml
Molecular Weight:	~110 kDa
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline, pH 7.4, with 50% Glycerol and 0.1% Sodium Azide
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

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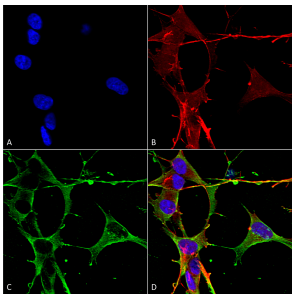
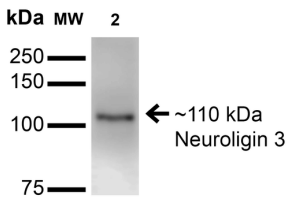
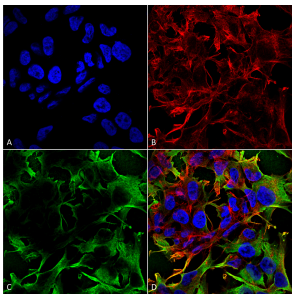
Images:



Immunocytochemistry/Immunofluorescence analysis of human neuroblastoma cells (SH-SY5Y), fixed in 4% PFA for 15 min, using Anti-Neuroligin 3 Antibody [S110-29] (A304790), at 1:50 for overnight at 4°C with slow rocking. The secondary antibody used was AlexaFluor 488 at 1:1,000 for 1 hour at room temperature. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain; Hoechst (blue) nuclear stain at 1:800, 1.6mM for 20 minutes at room temperature.(A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) Neuroligin 3 Antibody (D) Composite.



Western blot analysis of mouse brain membrane showing detection of ~110 kDa Neuroligin 3 protein using Anti-Neuroligin 3 Antibody [S110-29] (A304790) at 1:200 for 16 hours at 4°C. Lane 1: Molecular Weight Ladder. Lane 2: mouse brain Membrane. Load: 15 µg. Block: 2% BSA and 2% Skim Milk in 1X TBST. The secondary antibody used was Goat Anti-Mouse IgG: HRP at 1:1,000 for 1 hour room temperature. Color Development: ECL solution for 6 min in room temperature. Predicted/Observed Size: ~110 kDa.



Immunocytochemistry/Immunofluorescence analysis of human neuroblastoma cell line (SK-N-BE, fixed in 4% formaldehyde for 15 min at room temperature, using Anti-Neuroligin 3 Antibody [S110-29] (A304790), at 1:100 for 60 minutes at room temperature. The secondary antibody used was Goat Anti-Mouse ATTO 488 at 1:100 for 60 minutes at room temperature. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5,000 for 60min room temperature, 5min room temperature. Localization: Cell Membrane, Cell Junction, Synapse. Magnification: 60X.(A) DAPI (blue) nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) Neuroligin 3 Antibody. (D) Composite.