

# Neurologin 1 Monoclonal Antibody (N97A/31), APC

## Product Details

Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	N97A/31
Conjugate	APC
Excitation/Emission Max	651/660 nm
Immunogen	Fusion protein amino acids 718-843 (cytoplasmic C-terminus) of rat Neurologin-1.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	47.35mM phosphate/2.15mM MES, pH 7.4, with 1.033mM EDTA
Contains	no preservative
Storage conditions	4° C

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunohistochemistry (IHC)	Assay-dependent	-
Immunocytochemistry (ICC/IF)	1:100	-

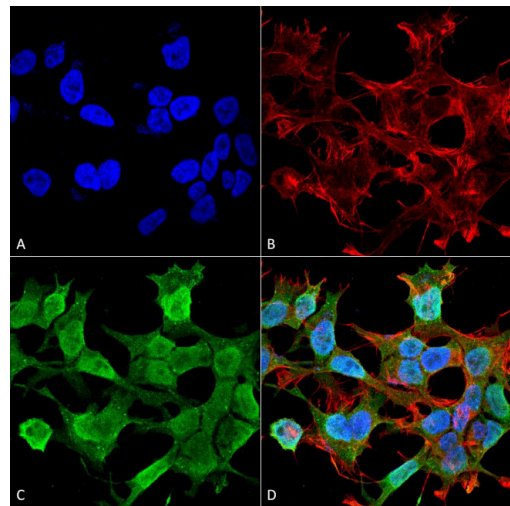
## Product Specific Information

Mouse: 99% identity (125/126 amino acids identical). Human: 99% identity (125/126 amino acids identical) >40% identity with Neurologin-2 and -3.

2 µg/mL of MA5-45685 was sufficient for detection of Neurologin-1 in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody. Detects approximately 120kDa. Does not cross-react with other Neurologins.

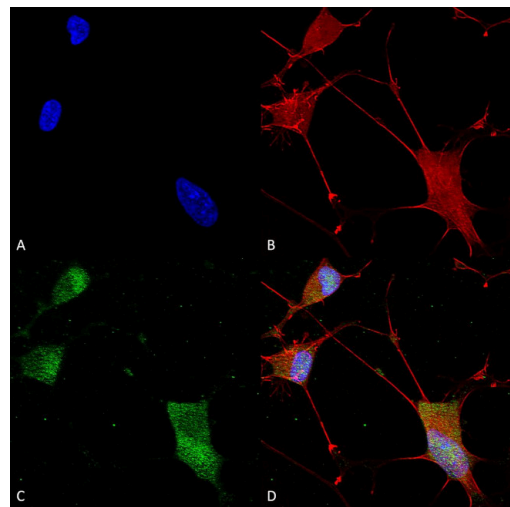
This antibody was formerly sold as clone S97A-31.

Product Images For Neuroligin 1 Monoclonal Antibody (N97A/31), APC



**Neuroligin 1 Antibody (MA5-45685) in ICC/IF**

Immunocytochemistry/Immunofluorescence analysis using human neuroblastoma cells. Fixation involved 4% Formaldehyde for 15 min at RT. Samples were incubated with Neuroligin 1 monoclonal antibody (Product # MA5-45685) at 1:100 for 60 min at RT, followed by Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain used was Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1,000, 1:5,000 for 60 min RT, 5 min RT. Localization: Cell Membrane, Nucleus. Magnification: 60X. (A) DAPI (blue) nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) Neuroligin 1 antibody. (D) Composite.

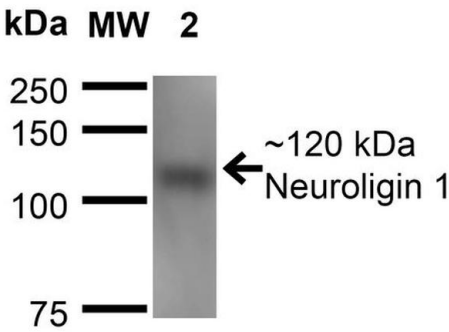


**Neuroligin 1 Antibody (MA5-45685) in ICC/IF**

Immunocytochemistry/Immunofluorescence analysis using human neuroblastoma cells. Fixation involved 4% PFA for 15 min. Samples were incubated with Neuroligin 1 monoclonal antibody (Product # MA5-45685) at 1:100 for overnight at 4°C with slow rocking, followed by AlexaFluor 488 at 1:1,000 for 1 hour at RT. Counterstain used was 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 1 antibody (D) Composite.

**Neuroligin 1 Antibody (MA5-45685) in WB**

Western Blot analysis of Mouse Brain Membrane showing detection of ~120 kDa Neuroligin 1 protein. Lane 1: Molecular Weight Ladder. Lane 2: Mouse Brain Membrane. Load: 15 µg. Blocking: 2% BSA and 2% Skim Milk in 1X TBST. Samples were incubated with Neuroligin 1 monoclonal antibody (Product # MA5-45685) at 1:200 for 16 hours at 4°C, followed by Goat Anti-Mouse IgG: HRP at 1:1,000 for 1 hour RT. Color Development: ECL solution for 6 min in RT. Predicted /Observed Size: ~120 kDa.



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