

Mouse Neuroligin-1 Monoclonal Antibody | anti-Nlgn1 antibody

Neuroligin-1 Monoclonal Antibody

CATALOG # AAA47864	HOST Mouse	APPLICATIONS Immunofluorescence, Immunoblot, Western Blot
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PRODUCT SYNONYMS

Neuroligin-1; Monoclonal Antibody; Neuroligin-1 Monoclonal Antibody; anti-Nlgn1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Specificity	This antibody recognizes human, mouse, and rat Neuroligin-1. It does not crossreact with other Neuroligins.
Form/Format	100ug (1mg/ml) Protein G-purified antibody in PBS, pH 7.4, 0.1% sodium azide, 50% glycerol.
Sequence Length	843
Applicable Applications for anti-Nlgn1 antibody	IF (Immunofluorescence), IB (Immunoblot)
Immunogen	Fusion protein corresponding to aa 718-843 (cytoplasmic C-terminus) of rat Neuroligin1, accession no. Q62765). This sequence is 99% identical to mouse and 99% identical to human Neuroligin-1.
Preparation and Storage	This product is stable for at least one (1) year at -20 degree C.

IMAGES



Application Data

Detection of Neuroligin-1 in neuroblastoma cell line SK-N-BE at 10ug/ml: DAPI (blue) nuclear stain, Texas Red F actin stain, FITC (green) Neuroligin-1 stain.



Application Data

Detection of Neuroligin-1 in mouse brain lysate at 5ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-Nlgn1 antibody	Neuroligin-1 is a neuronal cell surface protein and member of the type-B carboxylesterase/lipase family. It is a necessary component in the maturation of excitatory synapses, it participates in regulation of synaptic plasticity, and it is important in the development of long-term memory in adult mammalian amygdala. It's participation in cell-cell interactions may occur through assembly of intracellular junctions by binding of beta-neurexins. In nervous system tissue, Neuroligin-1 is observed primarily in neurons and in the spinal cord.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16758736
NCBI GeneID	116647
NCBI Accession #	NP_446320.1

NCBI GenBank Nucleotide #	NM_053868.2
UniProt Accession #	Q62765
Molecular Weight	90,995 Da
NCBI Official Full Name	neuroligin-1
NCBI Official Synonym Full Names	neuroligin 1
NCBI Official Symbol	Nlgn1
NCBI Protein Information	neuroligin-1
UniProt Protein Name	Neuroligin-1
UniProt Gene Name	Nlgn1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/neuroligin-1-antibody-immunofluorescence-immunoblot-elisa/47864>