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Datasheet for 200-306-W75

Neuroligin 1 Antibody Biotin

Overview

Description:	Anti-Neuroligin 1 (MOUSE) Monoclonal Antibody Biotin Conjugated - 200-306-W75
Item No.:	200-306-W75
Size:	100 µg
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Mouse

Product Details

Background:	Neuroligin-1 is a neuronal cell surface protein belonging to the type-B carboxylesterase/lipase family. It is a necessary component in the maturation of excitatory synapses for their normal, functional development, and is necessary to the regulation of synaptic plasticity and the development of long-term memory within the adult amygdala in mammals. It is believed to participate in cell-cell-interaction through the assembly of intracellular junction by the binding of beta-neurexins, and may also be a factor in the maintenance and assembly of synaptic junctions. It is also thought to have involvement in excitatory synaptic specification. Within brain tissue, Neuroligin-1 is primarily observed in neurons and spinal cord. Anti-Neuroligin-1 is ideal for research in Neuroscience, including narcolepsy and synaptic neurotransmission: GABAergic inhibition, as well as Cell Adhesion.
Synonyms:	NLG 1, KIAA1070, MGC45115, Neuroligin-1, NL1, NLG1, Nlgn1
Host Species:	Mouse
Conjugate:	Biotin
Clonality:	Monoclonal
Clone ID:	S97A-31
Format:	IgG1

Target Details

Gene Name:	Nlgn1
Reactivity:	Human, Mouse, Rat

Immunogen Type:	Recombinant Protein
Immunogen:	Anti-Neuroligin 1 Antibody was produced by repeated immunization of mice with a fusion protein containing amino acids 718-843 of rat Neuroligin-1.
Purity/Specificity:	Anti-Neuroligin 1 Antibody was purified from concentrated tissue culture supernate by Protein G chromatography. BLAST analysis suggests that it is 99% identical to mouse, 99% identical to human and >50% identical to Neuroligin-2 and -3.
Relevant Links:	• UniProtKB - Q62765 • GeneID - 116647

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-Neuroligin 1 Biotin Conjugated Antibody is suitable for Western Blots, Immunohistochemistry and Immunocytochemistry. Expect a band approximately ~120kDa on specific lysates or tissues. Does not cross react with other Neuroligins. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000
IHC:	User Optimized
WB:	1:500

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1mg/mL by UV absorbance at 280 nm

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Conjugated antibodies should be stored according to the product label. Product stored in 136.36mM Ethanolamine, and 9.55mM Sodium Bicarbonate in 95.45% PBS.
Expiration:	Expiration date is one (1) year from date of receipt.

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