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Datasheet for 200-306-W83

Neuroligin 3 Antibody Biotin

Overview

Description:	Anti-Neuroligin 3 (MOUSE) Monoclonal Antibody Biotin Conjugated - 200-306-W83
Item No.:	200-306-W83
Size:	100 µg
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Mouse

Product Details

Background:	Neuroligins are Type I membrane proteins enriched in synaptic plasma membranes and clustered in synaptic clefts and postsynaptic densities. They have been characterized as neuronal cell surface proteins and are thought to be involved in cell-cell-interactions by forming intercellular junctions through binding to beta-neurexins. They play a major role in the formation or maintenance of synaptic junctions. They are also thought to be involved in the specification of excitatory synapses. Neuroligins interact with beta-neurexins and this interaction is involved in the formation of functional synapses. Anti-Neuroligin-3 is ideal for research in Neuroscience, including autism research, and Cell Adhesion and Communication.
Synonyms:	Gliotactin homolog, Neuroligin-3, Nlgn3, NLGN3_HUMAN
Host Species:	Mouse
Conjugate:	Biotin
Clonality:	Monoclonal
Clone ID:	S110-29
Format:	IgG1

Target Details

Gene Name:	Nlgn3
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Recombinant Protein

Immunogen:	Anti-Neuroligin 3 Antibody was produced by repeated immunization of mice with a fusion protein containing amino acids 730-848 of rat Neuroligin-3.
Purity/Specificity:	Anti-Neuroligin-3 Antibody was purified from concentrated tissue culture supernate by Protein G chromatography. BLAST analysis suggests that it is 99% identical to mouse, 98% identical to human, ~60% identical with Neuroligin-1 and ~40% identical to Neuroligin-2.
Relevant Links:	• UniProtKB - Q62889 • GeneID - 171297

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-Neuroligin-3 Biotin Conjugated Antibody is suitable for Western Blots, Immunohistochemistry and Immunocytochemistry. Expect a band approximately ~110kDa on specific lysates or tissues. Does not cross react with Neuroligin -1, -2, or -4. 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:	1:10,000
IHC:	User Optimized
WB:	1:1000

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.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.