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Datasheet for 200-301-W81

Neuroligin 4 Antibody

Overview

Description:	Anti-Neuroligin 4 (MOUSE) Monoclonal Antibody - 200-301-W81
Item No.:	200-301-W81
Size:	100 µg
Applications:	IHC, WB
Reactivity:	Mouse, Rat
Host Species:	Mouse

Product Details

Background:	This gene encodes a member of a family of neuronal cell surface proteins. Members of this family may act as splice site-specific ligands for beta-neurexins and may be involved in the formation and remodeling of central nervous system synapses. The encoded protein interacts with discs, large (Drosophila) homolog 4 (DLG4). Mutations in this gene have been associated with autism and Asperger syndrome. Two transcript variants encoding the same protein have been identified for this gene. Anti-Neuroligin-4 is ideal for research in Neuroscience, including synaptic transmission and GABAergic inhibition, as well as Cell Adhesion.
Synonyms:	ASPGX2 antibody, AUTSX2 antibody, HLNX antibody, HNLX antibody, KIAA1260 antibody, MGC22376 antibody, NLGN antibody, NLGN4 antibody, NLGN4X antibody, neuroligin-4 X-linked antibody, neuroligin X antibody, neuroligin 4, X-linked antibody
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	S98-7
Format:	IgG1

Target Details

Gene Name:	Nlgn4l
Reactivity:	Mouse, Rat
Immunogen Type:	Recombinant Protein

Immunogen:	Anti-Neuroligin 4 Antibody was produced by repeated immunization of mice with a fusion protein containing amino acids 782-945 of mouse Neuroligin 4.
Purity/Specificity:	Anti-Neuroligin 4 Antibody was purified from concentrated tissue culture supernate by Protein G chromatography. BLAST analysis suggests that it is ~45% identical to Neuroligin -1, -2, and -3.
Relevant Links:	• UniProtKB - B0F2B4 • GeneID - 100113365

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-Neuroligin 4 Antibody is tested for Western Blot, Immunofluorescence (Primary). IHC-P, and Immunocytochemistry. Expect a band approximately ~125-130kDa on specific lysates or tissues. 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
IF:	User Optimized
IHC:	1:100
WB:	1:1000

Formulation

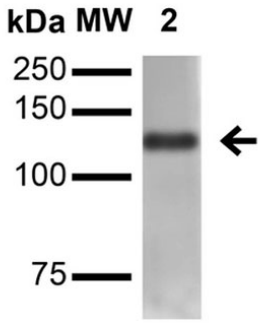
Physical State:	Liquid (sterile filtered)
Concentration:	1mg/mL by UV absorbance at 280 nm
Buffer:	1X PBS, pH 7.4
Preservative:	0.1% (w/v) Sodium Azide
Stabilizer:	50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of Mouse Anti-Neuroligin 4 Monoclonal Antibody.
Load: 15 µg. Lane 1: Molecular Weight Ladder (MW). Lane 2: Mouse Brain Membrane.
Block: 2% BSA and 2% Skim Milk in 1X TBST.
Primary Antibody: Mouse Anti-Neuroligin 4 Monoclonal Antibody at 1:1000 for 16 hours at 4°C.
Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:2000 for 60 min at RT.
Color Development: ECL solution for 6 min at RT.
Predicted/Observed Size: ~125-130 kDa.

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.