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Datasheet for 200-305-W81

Neuroligin 4 Antibody Alkaline Phosphatase

Overview

Description:	Anti-Neuroligin 4 (MOUSE) Monoclonal Antibody Alkaline Phosphatase Conjugated - 200-305-W81
Item No.:	200-305-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
Conjugate:	Alkaline Phosphatase (AP)
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 Alkaline Phosphatase Conjugated Antibody is tested for Western Blots, Immunofluorescence (Primary) 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:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
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.

Disclaimer

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