

Datasheet for 200-303-W83**Neuroigin 3 Antibody Peroxidase****Overview**

Description:	Anti-Neuroigin 3 (MOUSE) Monoclonal Antibody Peroxidase Conjugated - 200-303-W83
Item No.:	200-303-W83
Size:	100 µg
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Mouse

Product Details

Background:	Neuroigins 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. Neuroigins interact with beta-neurexins and this interaction is involved in the formation of functional synapses. Anti-Neuroigin-3 is ideal for research in Neuroscience, including autism research, and Cell Adhesion and Communication.
Synonyms:	Gliotactin homolog, Neuroigin-3, Nlgn3, NLGN3_HUMAN
Host Species:	Mouse
Conjugate:	Peroxidase (HRP)
Clonality:	Monoclonal
Clone ID:	S110-29
Format:	IgG1

Target Details

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

Immunogen:	Anti-Neuroigin 3 Antibody was produced by repeated immunization of mice with a fusion protein containing amino acids 730-848 of rat Neuroigin-3.
Purity/Specificity:	Anti-Neuroigin-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 Neuroigin-1 and ~40% identical to Neuroigin-2.
Relevant Links:	• UniProtKB - Q62889 • GeneID - 171297

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-Neuroigin-3 HRP 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 Neuroigin -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:	1.0 mg/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 73.64mM Carbonate, 54.55mM Ethanolamine, 45.45mM Cyanoborohydride, 18.18mM Sodium Hydroxide and 0.23mM Citrate in dH2O.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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