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Datasheet for 200-302-W81

# Neuroligin 4 Antibody Fluorescein

## Overview

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| **Description:** | Anti-Neuroligin 4 (MOUSE) Monoclonal Antibody Fluorescein Conjugated - 200-302-W81 |
| **Item No.:** | 200-302-W81 |
| **Size:** | 100 µg |
| **Applications:** | IHC, WB |
| **Reactivity:** | Mouse, Rat |
| **Host Species:** | Mouse |

## Product Details

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| **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:** | Fluorescein (FITC) |
| **Clonality:** | Monoclonal |
| **Clone ID:** | S98-7 |
| **Format:** | IgG1 |

## Target Details

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| **Gene Name:** | Nlgn4l |
| **Reactivity:** | Mouse, Rat |

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| **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<br>• GeneID - 100113365 |

## Application Details

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| **Tested Applications:** | IHC, WB |
| **Application Note:** | Anti-Neuroligin 4 FITC 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

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

## Shipping & Handling

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| **Shipping Condition:** | Wet Ice |
| **Storage Condition:** | Conjugated antibodies should be stored according to the product label. Product stored in 640.91mM DMSO, 136.36mM Ethanolamine, 9.09mM Sodium Bicarbonate in 90.9% 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.