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Datasheet for ABIN6657929  
**anti-Nlgn4l antibody (AA 782-945) (HRP)**

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µg   |
| Target:              | Nlgn4l (NLGN4L)  |
| Binding Specificity: | AA 782-945   |
| Reactivity:          | Mouse  |
| Host:                | Mouse  |
| Clonality:           | Monoclonal   |
| Conjugate:           | This Nlgn4l antibody is conjugated to HRP  |
| Application:         | Immunohistochemistry (IHC), Western Blotting (WB), Fluorescence Microscopy (FM), ELISA |

## Product Details

|                             |  |
|-----------------------------|--|
| Purpose:                    | Neuroigin 4 Antibody Peroxidase  |
| Immunogen:                  | Anti-Neuroigin 4 Antibody was produced by repeated immunization of mice with a fusion protein containing amino acids 782-945 of mouse Neuroigin 4. |
| Clone:                      | S98-7  |
| Isotype:                    | IgG1   |
| Cross-Reactivity (Details): | BLAST analysis suggests that it is ~45 % identical to Neuroigin -1, -2, and -3.  |
| Purification:               | Anti-Neuroigin 4 Antibody was purified from concentrated tissue culture supernate by Protein G chromatography.                                     |
| Sterility:                  | Sterile filtered   |

## Target Details

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|                   |  |
|-------------------|--|
| Target:           | Nlgn4l (NLGN4L)  |
| Alternative Name: | Nlgn4l ( <a href="#">NLGN4L Products</a> )   |
| Background:       | <p>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</p> <p>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-Neuroigin-4 is ideal for research in Neuroscience, including synaptic transmission and GABAergic inhibition, as well as Cell Adhesion.</p> <p>Gene Name: Neuroigin 4</p> |
| Gene ID:          | 100113365  |
| UniProt:          | <a href="#">B0F2B4</a>   |

## Application Details

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|                    |   |
|--------------------|---|
| Application Notes: | <p>ELISA_Dilution: 1:10,000</p> <p>Immunohistochemistry_Dilution: 1:100</p> <p>IF_Microscopy_Dilution: User Optimized</p> <p>Western_Blots_Dilution: 1:1000</p>   |
| Comment:           | Anti-Neuroigin 4 HRP 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. |
| Restrictions:      | For Research Use only   |

## Handling

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|         |  |
|---------|--|
| Format: | Liquid   |
| Buffer: | <p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 50 % (v/v) Glycerol</p> <p>Preservative: 0.1 % (w/v) Sodium Azide</p> |

## Handling

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|                    |   |
|--------------------|---|
| Preservative:      | Sodium azide  |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.  |
| Storage:           | 4 °C,-20 °C   |
| Storage Comment:   | 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. |
| Expiry Date:       | 12 months   |