

Datasheet for ABIN1741429

anti-Neurologin 4 antibody (AA 782-945) (PE)**1** Image[Go to Product page](#)

Overview

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|----------------------|---|
| Quantity: | 100 µg |
| Target: | Neurologin 4 (NLGN4) |
| Binding Specificity: | AA 782-945 |
| Reactivity: | Mouse |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This Neurologin 4 antibody is conjugated to PE |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF) |

Product Details

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|-------------------|--|
| Immunogen: | Fusion protein amino acids 782-945 (intracellular C-terminus) of mouse Neurologin 4. ~45% identity with Neurologin-1, -2 and -3. |
| Clone: | S98-7 |
| Isotype: | IgG1 |
| Specificity: | Detects ~125-130 kDa. Does not cross-react with other Neurologins. |
| Cross-Reactivity: | Mouse, Rat |
| Purification: | Protein G Purified |

Target Details

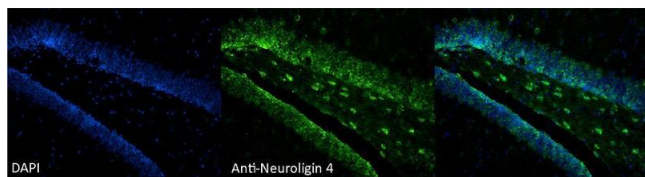
| | |
|-------------------|---|
| Target: | Neurologin 4 (NLGN4) |
| Alternative Name: | Neurologin 4 (NLGN4 Products) |
| Background: | This gene encodes a member of a family of neuronal cell surface proteins. Members of this family may act as splice site-specific ligands for beta-neurexins and may 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. |
| Gene ID: | 100113365 |
| UniProt: | B0F2B4 |
| Pathways: | Cell-Cell Junction Organization , Synaptic Membrane |

Application Details

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| Application Notes: | <ul style="list-style-type: none">• WB (1:1000)• IHC (1:100)• optimal dilutions for assays should be determined by the user. |
| Comment: | 1 µg/ml of ABIN1741429 was sufficient for detection of Neurologin 4 in 20 µg of mouse brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | PBS pH 7.4, 50 % glycerol, 0.1 % sodium azide, Storage buffer may change when conjugated |
| 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 |
| Storage Comment: | Conjugated antibodies should be stored at 4°C |



Immunohistochemistry

Image 1. Immunohistochemistry analysis using Mouse Anti-Neuroligin 4 Monoclonal Antibody, Clone S98-7 . Tissue: Dentate Gyrus. Species: Mouse. Fixation: formaldehyde-fixed paraffin embedded. Primary Antibody: Mouse Anti-Neuroligin 4 Monoclonal Antibody at 1:100. Secondary Antibody: FITC Goat Anti-Mouse (green). Counterstain: DAPI (blue) nuclear stain at 1:1000. Courtesy of: Rachel Reith, NIH/NIMH.