

Datasheet for ABIN1741415

anti-Neurologin 4 antibody (AA 782-945) (Atto 488)[Go to Product page](#)**1** Image

Overview

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 Atto 488
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

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

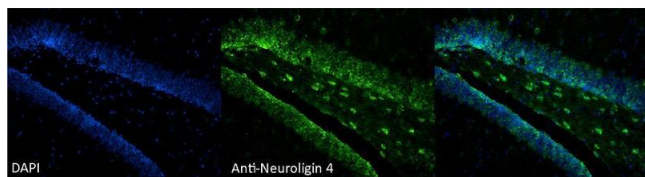
Target:	Neurologin 4 (NLGN4)
Alternative Name:	Neurologin 4 (NLGN4 Products)
Background:	This gene encodes a member of a family of neuronal cell surface proteins. Members of this family may act as splice site-specific ligands for beta-neurexins and may be involved in the formation and remodeling of central 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

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 ABIN1741415 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

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-Neurologin 4 Monoclonal Antibody, Clone S98-7 . Tissue: Dentate Gyrus. Species: Mouse. Fixation: formaldehyde-fixed paraffin embedded. Primary Antibody: Mouse Anti-Neurologin 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.