

**NLGN4Y Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a full length recombinant NLGN4Y.

Catalog # AT3063a

**Specification**

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**NLGN4Y Antibody (monoclonal) (M01) - Product Information**

|                   |                          |
|-------------------|--------------------------|
| Application       | WB, E                    |
| Primary Accession | <a href="#">Q8NFZ3</a>   |
| Other Accession   | <a href="#">BC032567</a> |
| Reactivity        | Human                    |
| Host              | mouse                    |
| Clonality         | Monoclonal               |
| Isotype           | IgG1 kappa               |
| Calculated MW     | 92021                    |

**NLGN4Y Antibody (monoclonal) (M01) - Additional Information**

**Gene ID** 22829

**Other Names**

Neuroligin-4, Y-linked, Neuroligin Y, NLGN4Y, KIAA0951

**Target/Specificity**

NLGN4Y (AAH32567, 1 a.a. ~ 134 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

E~~N/A

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

NLGN4Y Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

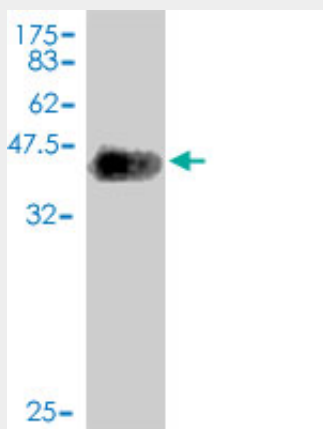
**NLGN4Y Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

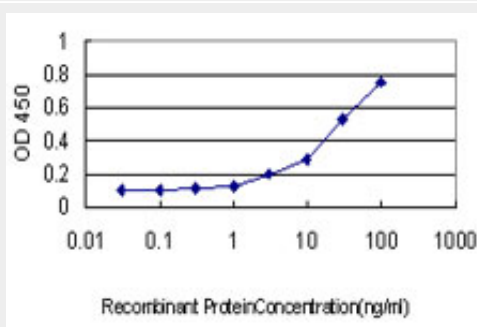
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### NLGN4Y Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (40.48 KDa) .



Detection limit for recombinant GST tagged NLGN4Y is approximately 0.1ng/ml as a capture antibody.

### NLGN4Y Antibody (monoclonal) (M01) - Background

Neuroligins, such as NLGN4Y, are cell adhesion molecules present at the postsynaptic side of the synapse and may be essential for the formation of functional synapses (Jamain et al., 2003 [PubMed 12669065]).

### NLGN4Y Antibody (monoclonal) (M01) - References

Association of Y chromosome haplotypes with autism. Serajee FJ, et al. J Child Neurol, 2009 Oct. PMID 19605777. Analysis of the neuroligin 4Y gene in patients with autism. Yan J, et al. Psychiatr Genet, 2008 Aug. PMID 18628683. Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348. Neuroligins 3 and 4X interact with syntrophin-gamma2, and the interactions are affected by autism-related mutations. Yamakawa H, et al. Biochem Biophys Res Commun, 2007 Mar 30. PMID 17292328. Analysis of four neuroligin genes as candidates for autism. Ylisaukko-oja T, et al. Eur J Hum Genet, 2005 Dec. PMID 16077734.