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NLGN4Y Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant NLGN4Y.
Catalog # AT3063a

Product Information

Application	WB, E
Primary Accession	Q8NFZ3
Other Accession	BC032567
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	1E5
Calculated MW	92021

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.

Background

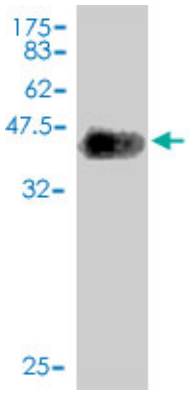
Neuroligins, such as NLGN4Y, are cell adhesion molecules present at the postsynaptic side of the synapse and may be essential for the formation of functional synapses (Jamain et al., 2003 [PubMed 12669065]).

References

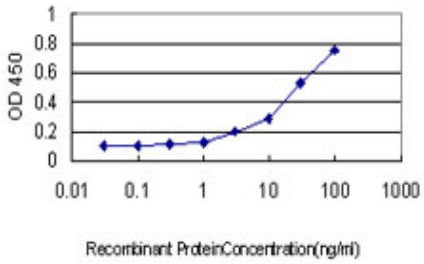
Association of Y chromosome haplotypes with autism. Serajee FJ, et al. J Child Neurol, 2009 Oct. PMID 19605777.Analysis of the neuroligin 4Y gene in patients with autism. Yan J, et al. Psychiatr Genet, 2008 Aug. PMID 18628683.Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. 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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.