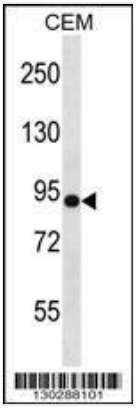
NLGN4Y Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NLGN4Y, Polyclonal Antibody
Full Product Name	NLGN4Y, NT (NLGN4Y, KIAA0951, Neuroligin-4, Y-linked)
Product Gene Name	anti-NLGN4Y antibody
Product Synonym Names	Anti -NLGN4Y, NT (NLGN4Y, KIAA0951, Neuroligin-4, Y-linked)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	92,021 Da
Chromosome Location	Chromosome: Y; NC_000024.9 (16634488..16956825). Location: Yq11.221
OMIM	400028
3D Structure	ModBase 3D Structure for Q8NFZ3
Immunogen	NLGN4Y antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 138-167 amino acids from the N-terminal region of human NLGN4Y.
Product Categories/Family for anti-NLGN4Y antibody	Antibodies; Abs to Neuroligins
Applications Tested/Suitable for anti-NLGN4Y antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-NLGN4Y antibody	Suitable for use in Western Blot, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500
Related Product Information for anti-NLGN4Y antibody	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]).
Other Notes	Small volumes of anti-NLGN4Y antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NLGN4Y purchase	MBS6004616 is an antibody targeting NLGN4Y. Also known as NLGN4Y, NT (NLGN4Y, KIAA0951, Neuroligin-4, Y-linked). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-NLGN4Y antibody
NLGN4Y Antibody (N-term) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the NLGN4Y antibody detected the NLGN4Y protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NLGN4Y. It may not necessarily be applicable to this product.

NCBI GI #	332205967
NCBI GeneID	22829
NCBI Accession #	NP_001193779.1
UniProt Primary Accession #	Q8NFZ3
UniProt Secondary Accession #	Q14D08; Q7Z3T5; Q8N5B6; Q9Y2F8; F5H6W0
UniProt Related Accession #	Q8NFZ3
GenBank Nucleotide #	NM_001206850.1
NCBI Official Full Name	neuroligin-4, Y-linked isoform 3
NCBI Official Synonym Full Names	neuroligin 4, Y-linked
NCBI Official Symbol	NLGN4Y
UniProt Protein Name	Neuroligin-4, Y-linked
Protein Family	Neuroligin
UniProt Gene Name	NLGN4Y
UniProt Synonym Gene Names	KIAA0951; Neuroligin Y
UniProt Entry Name	NLGNY_HUMAN
NCBI Protein Information	neuroligin-4, Y-linked
NCBI Summary for NLGN4Y	This gene encodes a type I membrane protein that belongs to the family of neuroligins, which are cell adhesion molecules present at the postsynaptic side of the synapse, and may be essential for the formation of functional synapses. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Mar 2011]

UniProt Comments for NLGN4Y	NLGN4Y: Putative neuronal cell surface protein involved in cell- cell-interactions. Belongs to the type-B carboxylesterase/lipase family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: Yq11.221 Cellular Component: postsynaptic membrane; extracellular space; cell surface; integral to plasma membrane; postsynaptic density; synapse; cell junction Molecular Function: protein binding; neurexin binding; receptor activity; cell adhesion molecule binding Biological Process: regulation of synaptic transmission; synaptogenesis; metabolic process; neuron adhesion; learning; social behavior
Research Articles on NLGN4Y	**1.** investigated 12 single-nucleotide polymorphisms in Y-linked neuroligin 4, transducin b-like 1, and eukaryotic translation initiation factor 1a genes, results suggest a Y chromosome effect in autism
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