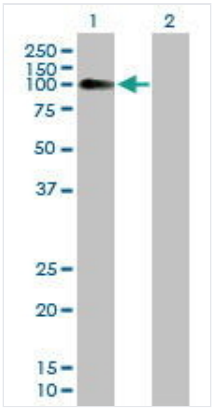
NLGN4X Antibody – Mouse Polyclonal

PRODUCT OVERVIEW

Product Name	NLGN4X, Polyclonal Antibody
Full Product Name	NLGN4X (Neuroligin-4, X-linked, Neuroligin X, HNLX, KIAA1260, NLGN4, UNQ365/PRO701, ASPGX2, AUTSX2, MGC22376)
Product Gene Name	anti-NLGN4X antibody
Product Synonym Names	Anti -NLGN4X (Neuroligin-4, X-linked, Neuroligin X, HNLX, KIAA1260, NLGN4, UNQ365/PRO701, ASPGX2, AUTSX2, MGC22376)
Immunogen Sequence	MSRPQGLLWL PLLFTPVCVM LNSNVLLWLT ALAIKFTLID SQAQYPVVNT NYGKIRGLRT PLPNEILGPV EQYLGVPYAS PPTGERRFQP PEPPSSWTGI RNTTQFAAVC PQHLDERSLL HDMLPIWFTA NLDTLMTYVQ DQNEDCLYLN IYVPTEDDIH DQNSKKPVMV YIHGGSYMEG TGNMIDGSIL ASYGNVIVIT INYRLGILGF LSTGDQAAKG NYGLLDQIQA LRWIEENVGA FGGDPKRVTI FGSGAGASCV SLLTLSHYSE GLFQKAIIQS GTALSSWAVN YQPAKYTRIL ADKVGCNMLD TTDMVECLRN KNYKELIQQT ITPATYHIAF GPVIDGDVIP DDPQILMEQG EFLNYDIMLG VNQGEGLKFV DGIVDNEDGV TPNDFDFSVS NFVDNLYGYP EGKDTLRETI KFMYTDWADK ENPETRRKTL VALFTDHQWV APAVATADLH AQYGSPTYFY AFYHHCQSEM KPSWADSAHG DEVPYVFGIP MIGPTELFSC NFSKNDVMLS AVVMTYWTNF AKTGDPNQPV PQDTKFIHTK PNRFEEVAWS KYNPKDQLYL HIGLKPRVRD HYRATKVAFW LELVPHLHNL NEIFQYVSTT TKVPPPDMTS FPYGTRRSPA KIWPTTKRPA ITPANNPKHS KDPHKTGPED TTVLIETKRD YSTELSVTIA VGASLLFLNI LAFAALYYKK DKRRHETHRR PSPQRNTTND IAHIQNEEIM SLQMKQLEHD HECESLQAHD TLRLTCPPDY TLTLRRSPDD IPLMTPNTIT MIPNTLTGMQ PLHTFNTFSG GQNSTNLPHG HSTTRV
Clonality	Polyclonal
Isotype	IgG
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human NLGN4X.
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 at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	91,915 Da
Chromosome Location	Chromosome: X; NC_000023.10 (5808067..6146916, complement). Location: Xp22.33
OMIM	300427
3D Structure	ModBase 3D Structure for Q8N0W4
Immunogen	Full length human NLGN4X, aa1-816 (NP_065793.1).
Product Categories/Family for anti-NLGN4X antibody	Antibodies; Abs to Neuroligins
Applications Tested/Suitable for anti-NLGN4X antibody	Western Blot (WB)
Application Notes for anti-NLGN4X antibody	Suitable for use in Western Blot.

Related Product Information for anti-NLGN4X antibody	MBS6002576 is an antibody targeting NLGN4X. Also known as NLGN4X (Neuroligin-4, X-linked, Neuroligin X, HNLX, KIAA1260, NLGN4, UNQ365/PRO701, ASPGX2, AUTSX2, MGC22376). Reactive in Human. Host: Mouse. Putative neuronal cell surface protein involved in cell-cell-interactions.
Other Notes	Small volumes of anti-NLGN4X 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.



Western Blot (WB) of anti-NLGN4X antibody
Western Blot analysis of NLGN4X expression in transfected 293T cell line by NLGN4X polyclonal antibody. Lane 1: NLGN4X transfected lysate (89.76kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NLGN4X. It may not necessarily be applicable to this product.

NCBI GI #	31076821
NCBI GeneID	57502
NCBI Accession #	Q8N0W4.1
UniProt Primary Accession #	Q8N0W4
UniProt Secondary Accession #	Q6UX10; Q9ULG0
UniProt Related Accession #	Q8N0W4
NCBI Official Full Name	Neuroligin-4, X-linked
NCBI Official Synonym Full Names	neuroligin 4, X-linked
NCBI Official Symbol	NLGN4X
NCBI Official Synonym Symbols	HLNX; HNL4X; NLGN4; ASPGX2; AUTSX2
UniProt Protein Name	Neuroligin-4, X-linked
UniProt Synonym Protein Names	HNLX
Protein Family	Neuroligin
UniProt Gene Name	NLGN4X
UniProt Synonym Gene Names	KIAA1260; NLGN4; Neuroligin X
UniProt Entry Name	NLGNX_HUMAN
NCBI Protein Information	neuroligin-4, X-linked

NCBI Summary for NLGN4X	This gene encodes a member of the type-B carboxylesterase/lipase protein family. The encoded protein belongs to 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 homolog 4 (DLG4). Mutations in this gene have been associated with autism and Asperger syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]
UniProt Comments for NLGN4X	NLGN4X: Putative neuronal cell surface protein involved in cell- cell-interactions. Defects in NLGN4X may be the cause of susceptibility to autism X-linked type 2 (AUTSX2). AUTSX2 is a pervasive developmental disorder (PDD), prototypically characterized by impairments in reciprocal social interaction and communication, restricted and stereotyped patterns of interests and activities, and the presence of developmental abnormalities by 3 years of age. Defects in NLGN4X may be the cause of susceptibility to X-linked Asperger syndrome 2 (ASPGX2). ASPGX2 is considered to be a form of childhood autism. 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: Xp22.33 Cellular Component: postsynaptic membrane; extracellular space; cell surface; integral to plasma membrane; postsynaptic density; dendrite; integral to membrane; plasma membrane; excitatory synapse; synapse; cell junction Molecular Function: protein binding; protein homodimerization activity; neurexin binding; cell adhesion molecule binding; receptor activity; chloride ion binding Biological Process: regulation of synaptic transmission; neuron differentiation; organ growth; intercellular junction assembly and maintenance; metabolic process; adult behavior; synapse organization and biogenesis; cerebellum development; neuron adhesion; social behavior; learning Disease: Asperger Syndrome, X-linked, Susceptibility To, 2; Autism, Susceptibility To, X-linked 2
Research Articles on NLGN4X	**1.** Lack of association between NLGN3, NLGN4, SHANK2 and SHANK3 gene variants and autism spectrum disorder in a Chinese population.
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