NLGN2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NLGN2, Polyclonal Antibody
Full Product Name	NLGN2 Rabbit Polyclonal Antibody
Product Gene Name	anti-NLGN2 antibody
Product Synonym Gene Name	KIAA1366
Product Synonym Names	BH6842; Neuroligin-2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Rat, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	NLGN2 Polyclonal Antibody detects endogenous levels of protein.
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	Predicted: 92; 99 kDa Observed: 80; 97 kDa
OMIM	606479
3D Structure	ModBase 3D Structure for Q8NFZ4
Immunogen	Synthesized peptide derived from human protein. at AA range: 310-390
Modification	Unmodified/Total
Applications Tested/Suitable for anti-NLGN2 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-NLGN2 antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-NLGN2 antibody	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. [provided by RefSeq, Jul 2008]
Other Notes	Small volumes of anti-NLGN2 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 NLGN2 purchase	MBS9515743 is an antibody targeting NLGN2. Also known as NLGN2 Rabbit Polyclonal Antibody. Reactive in Human, Rat, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NLGN2. It may not necessarily be applicable to this product.

NCBI GI #	30840978
NCBI GeneID	57555
NCBI Accession #	NP_065846
UniProt Primary Accession #	Q8NFZ4
UniProt Secondary Accession #	Q9P2I1
UniProt Related Accession #	Q8NFZ4
GenBank Nucleotide #	NM_020795.3
NCBI Official Full Name	neuroligin-2
NCBI Official Synonym Full Names	neuroligin 2
NCBI Official Symbol	NLGN2
UniProt Protein Name	Neuroligin-2
Protein Family	Neuroligin
UniProt Gene Name	NLGN2
UniProt Synonym Gene Names	KIAA1366
UniProt Entry Name	NLGN2_HUMAN
NCBI Protein Information	neuroligin-2
UniProt Comments for NLGN2	NLGN2: Transmembrane scaffolding protein involved in cell-cell interactions via its interactions with neurexin family members. Mediates cell-cell interactions both in neurons and in other types of cells, such as Langerhans beta cells. Plays a role in synapse function and synaptic signal transmission, especially via gamma- aminobutyric acid receptors (GABA(A) receptors). Functions by recruiting and clustering synaptic proteins. Promotes clustering of postsynaptic GABRG2 and GPHN. Modulates signaling by inhibitory synapses, and thereby plays a role in controlling the ratio of signaling by excitatory and inhibitory synapses and information processing. Required for normal signal amplitude from inhibitory synapses, but is not essential for normal signal frequency. May promote the initial formation of synapses, but is not essential for this. In vitro, triggers the de novo formation of presynaptic structures. Mediates cell-cell interactions between Langerhans beta cells and modulates insulin secretion. Belongs to the type-B carboxylesterase/lipase family. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 17p13.1 Cellular Component: presynaptic membrane; extracellular space; postsynaptic membrane; cell surface; membrane; integral to plasma membrane; synapse; cell junction Molecular Function: neurexin binding; cell adhesion molecule binding; receptor activity Biological Process: regulation of synaptic transmission; positive regulation of synaptogenesis; cell-cell adhesion; synaptogenesis; metabolic process; positive regulation of synaptic transmission, GABAergic; synapse organization and biogenesis; neurological control of breathing; neuron adhesion; sensory perception of pain; neuromuscular process controlling balance; intercellular junction maintenance; positive regulation of synaptic transmission, glutamatergic
Research Articles on NLGN2	**1.** Transcellular neuroligin-2 interactions enhance insulin secretion and are integral to pancreatic beta cell function
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