



# NLGN1 Polyclonal Antibody

<b>Catalog No</b>	BYab-05838
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	NLGN1 KIAA1070
<b>Protein Name</b>	Neuroigin-1
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 410-490
<b>Specificity</b>	NLGN1 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	92kD
<b>Cell Pathway</b>	Cell membrane ; Single-pass type I membrane protein . Cell junction, synapse, postsynaptic density . Cell junction, synapse, synaptic cleft . Cell junction, synapse, synaptic cell membrane . Enriched in synaptic plasma membranes and clustered in synaptic clefts and postsynaptic densities. Colocalized with DLG4/PSD-95 and GRIN1/NMDAR1. .
<b>Tissue Specificity</b>	Expressed in the blood vessel walls (at protein level). Highly expressed in brain through prenatal stages, and at lower levels in pancreas islet beta cells.
<b>Function</b>	function:Neuronal cell surface protein thought to be involved in cell-cell-interactions by forming intercellular junctions through binding to beta-neurexins. Seems to play role in formation or maintenance of synaptic junctions. In vitro, triggers the de novo formation of presynaptic structures. May be involved in specification of excitatory synapses.,similarity:Belongs to the type-B carboxylesterase/lipase family.,subcellular location:Enriched in synaptic plasma membranes and clustered in synaptic clefts and postsynaptic densities.,subunit:Interacts with neurexin 1-beta, neurexin 2-beta and neurexin

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3-beta. Interacts through its C-terminus with DLG4/PSD-95 third PDZ domain. Interacts with AIP1 and PDZRN3.,

**Background**

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],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**