



# NLGN2 Polyclonal Antibody

<b>Catalog No</b>	BYab-05839
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	NLGN2 KIAA1366
<b>Protein Name</b>	Neuroigin-2
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 310-390
<b>Specificity</b>	NLGN2 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>	91kD
<b>Cell Pathway</b>	Cell membrane ; Single-pass type I membrane protein . Cell junction, synapse, postsynaptic cell membrane . Cell junction, synapse, presynaptic cell membrane . Detected at postsynaptic membranes in brain. Detected at dendritic spines in cultured neurons. Colocalizes with GPHN and ARHGEF9 at neuronal cell membranes (By similarity). Localized at presynaptic membranes in retina. Colocalizes with GABRG2 at inhibitory synapses in the retina (By similarity) .
<b>Tissue Specificity</b>	Expressed in the blood vessel walls. Detected in colon, brain and pancreas islets of Langerhans (at protein level). Detected in brain, 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.,similarity:Belongs to the type-B carboxylesterase/lipase family.,subunit:Interacts with neurexin 1-beta, neurexin 2-beta and neurexin

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3-beta. Interacts with INADL (By similarity). Probably interacts through its C-terminus with DLG4 third PDZ domain.,

**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**