NLGN1 Monoclonal Antibody

Catalog No	BYmab-05838
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	NLGN1 KIAA1070
Protein Name	Neuroligin-1
Immunogen	Synthesized peptide derived from human protein . at AA range: 410-490
Specificity	NLGN1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	92kD
Cell Pathway	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. .
Tissue Specificity	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.
Function	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

	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.

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