NLGN3 Monoclonal Antibody

Catalog No	BYmab-05840
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	NLGN3 KIAA1480 NL3
Protein Name	Neuroligin-3 (Gliotactin homolog)
Immunogen	Synthesized peptide derived from human protein . at AA range: 610-690
Specificity	NLGN3 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	93kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Cell junction, synapse . Detected at both glutamatergic and GABAergic synapses. .
Tissue Specificity	Expressed in the blood vessel walls (at protein level). Detected in throughout the brain and in spinal cord. Detected in brain, and at lower levels in pancreas islet beta cells.
Function	disease:Defects in NLGN3 may be the cause of susceptibility to X-linked Asperger syndrome 1 (ASPGX1) [MIM:300494]. ASPGX1 is considered to be a form of childhood autism.,disease:Defects in NLGN3 may be the cause of susceptibility to X-linked autism 1 (AUTSX1) [MIM:300425]. AUTSX1 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.,function:Neuronal cell surface protein thought to be involved in cell-cell-interactions by forming intercellular junctions through binding to beta-neurexins. May play a role in formation or

	maintenance of synaptic junctions. May also play a role in glia-glia or glia-neuron interactions in the developing peripheral nervous system.,sequence cauti
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. Mutations in this gene may be associated with autism and Asperger syndrome. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Oct 2009],
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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