AGRIN Monoclonal Antibody

Catalog No	YP-mAb-05296
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	AGRN AGRIN
Protein Name	Agrin
Immunogen	Synthesized peptide derived from human protein . at AA range: 1900-1980
Specificity	AGRIN 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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	224kD
Cell Pathway	[Isoform 1]: Secreted, extracellular space, extracellular matrix . Synaptic basal lamina at the neuromuscular junction. .; [Isoform 2]: Cell junction, synapse . Cell membrane ; Single-pass type II membrane protein .
Tissue Specificity	Expressed in basement membranes of lung and kidney. Muscle- and neuron-specific isoforms are found. Isoforms (y+) with the 4 AA insert and (z+8) isoforms with the 8 AA insert are all neuron-specific. Isoforms (z+11) are found in both neuronal and non-neuronal tissues.
Function	function:Component of the basal lamina that causes the aggregation of acetylcholine receptors and acetylcholine-esterase on the surface of muscle fibers of the neuromuscular junction.,PTM:Contains heparan sulfate chains as well as N-linked and O-linked oligosaccharides.,similarity:Contains 1 NtA (N-terminal agrin) domain.,similarity:Contains 1 SEA domain.,similarity:Contains 2 laminin EGF-like domains.,similarity:Contains 3 laminin G-like domains.,similarity:Contains 4 EGF-like domains.,similarity:Contains 9 Kazal-like domains.,subcellular location:Synaptic basal lamina at the neuromuscular junction.,subunit:Binds to laminin.,
Background	This gene encodes one of several proteins that are critical in the development of the neuromuscular junction (NMJ), as identified in mouse knock-out studies. The encoded protein contains several laminin G, Kazal type serine protease inhibitor,

	and epidermal growth factor domains. Additional post-translational modifications occur to add glycosaminoglycans and disulfide bonds. In one family with congenital myasthenic syndrome affecting limb-girdle muscles, a mutation in this gene was found. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2015],
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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