



AGRIN Polyclonal Antibody

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|---------------------------|---|
| Catalog No | BYab-05296 |
| Isotype | IgG |
| Reactivity | Human;Mouse;Rat |
| Applications | WB;ELISA |
| Gene Name | AGRN AGRIN |
| Protein Name | Agrin |
| Immunogen | Synthesized peptide derived from human protein . at AA range: 1900-1980 |
| Specificity | AGRIN Polyclonal Antibody detects endogenous levels of protein. |
| Formulation | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. |
| Source | Polyclonal, Rabbit,IgG |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | WB 1:500-2000 ELISA 1:5000-20000 |
| 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 |

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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.

Products Images