



# 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

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