

For Research Use Only

AGRN Recombinant antibody, PBS Only

Catalog Number: 86507-3-PBS



Basic Information

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| Catalog Number: 86507-3-PBS | GenBank Accession Number: NM_198576.4 | Purification Method: Protein A purification |
| Concentration: 1 mg/ml | GeneID (NCBI): 375790 | CloneNo.: 251295C12 |
| Source: Rabbit | UNIPROT ID: O00468-6 | |
| Isotype: IgG | Full Name: agrin | |
| Immunogen Catalog Number: EG5123 | Calculated MW: 215 kDa | |
| | Observed MW: 245 kDa | |

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

Agrin, a large heparan sulfate proteoglycan, is expressed in neuronal, as well as nonneuronal tissues (PMID:12671652). Nerve-derived agrin has been demonstrated to play an essential role in development and maintenance of the neuromuscular junction (PMID:16386415). The agrin gene encodes a protein of more than 2000 amino acids with predicted molecular weight of 225 kDa but can display as 600 kDa protein due to extensive N-terminal glycosylation (PMID:12671652). Neurotrypsin cleaves the proteoglycan agrin at two homologous, highly conserved sites, liberating a middle 90-kDa and a C-terminal 22-kDa fragment from the membrane or ECM-bound N-terminal moiety of agrin (PMID:18230682).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

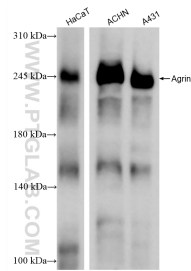
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86507-3-RR (AGRN antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86507-3-PBS in a different storage buffer formulation.