

For Research Use Only

# AGRN Recombinant antibody

Catalog Number: 86507-3-RR



## Basic Information

Catalog Number:

86507-3-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG5123

GenBank Accession Number:

NM\_198576.4

GeneID (NCBI):

375790

UNIPROT ID:

O00468-6

Full Name:

agrin

Calculated MW:

215 kDa

Observed MW:

245 kDa

Purification Method:

Protein A purification

CloneNo.:

251295C12

Recommended Dilutions:

WB: 1:2000-1:10000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HaCaT cells, ACHN cells, A431 cells

## 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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

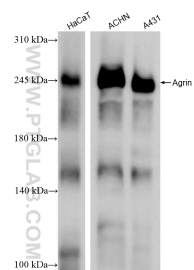
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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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.