

For Research Use Only

# AGRN Polyclonal antibody, PBS Only

Catalog Number:20692-1-PBS



## Basic Information

**Catalog Number:**

20692-1-PBS

**Size:**

100ug , Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_198576

**GeneID (NCBI):**

375790

**UNIPROT ID:**

O00468

**Full Name:**

agrin

**Calculated MW:**

215 kDa

**Observed MW:**

225 kDa, 97 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, 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.

**Storage Buffer:**

PBS only, pH7.3

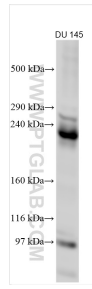
For technical support and original validation data for this product please contact:

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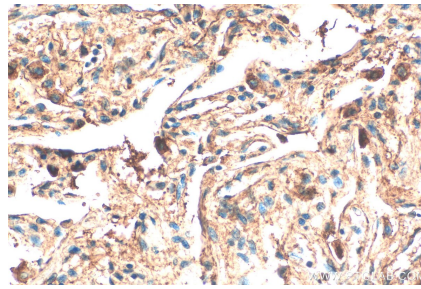
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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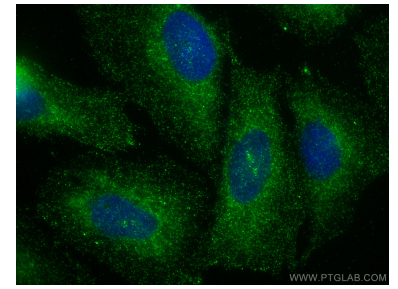
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20692-1-AP (AGRN antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 20692-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 20692-1-AP (AGRN antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20692-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed Saos-2 cells using AGRN antibody (20692-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 20692-1-PBS in a different storage buffer formulation.