

For Research Use Only

# AGRN Polyclonal antibody

Catalog Number: 20692-1-AP



## Basic Information

<b>Catalog Number:</b> 20692-1-AP	<b>GenBank Accession Number:</b> NM_198576	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 900 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 375790	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> agrin	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 215 kDa	
	<b>Observed MW:</b> 225 kDa, 97 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : DU 145 cells,
<b>Species Specificity:</b> 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

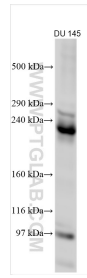
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: 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.