

For Research Use Only

AGRN Recombinant antibody

Catalog Number: 86507-3-RR



Basic Information

Catalog Number: 86507-3-RR	GenBank Accession Number: NM_198576.4	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 375790	CloneNo.: 251295C12
Source: Rabbit	UNIPROT ID: O00468-6	Recommended Dilutions: WB: 1:2000-1:10000
Isotype: IgG	Full Name: agrin	
Immunogen Catalog Number: EG5123	Calculated MW: 215 kDa	
	Observed MW: 245 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HaCaT cells, ACHN cells, A431 cells
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

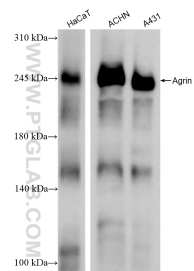
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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 86507-3-RR (AGRN antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.