

For Research Use Only

AGRN Polyclonal antibody

Catalog Number: 20692-1-AP



Basic Information

Catalog Number: 20692-1-AP	GenBank Accession Number: NM_198576	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 900 ug/ml by Nanodrop;	GeneID (NCBI): 375790	Recommended Dilutions: WB 1:500-1:1000 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: O00468	
Isotype: IgG	Full Name: agrin	
	Calculated MW: 215 kDa	
	Observed MW: 225 kDa, 97 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : DU 145 cells, IF/ICC : Saos-2 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

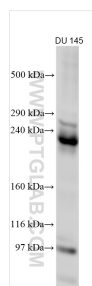
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

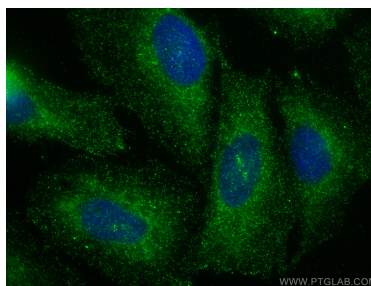
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



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.



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 Goat Anti-Rabbit IgG(H+L).