

For Research Use Only

GRIPAP1 Polyclonal antibody

Catalog Number: 15806-1-AP

1 Publications



Basic Information

Catalog Number: 15806-1-AP	GenBank Accession Number: BC001522	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 ug/ml by Nanodrop and 160 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 56850	Recommended Dilutions: WB 1:1000-1:8000
Source: Rabbit	UNIPROT ID: Q4V328	IHC 1:50-1:500
Isotype: IgG	Full Name: GRIP1 associated protein 1	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG8540	Calculated MW: 841 aa, 96 kDa	
	Observed MW: 97 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB	WB : HeLa cells, SH-SY5Y cells, mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	IHC : mouse brain tissue,
Cited Species: human	IF/ICC : SH-SY5Y cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

GRIP-associated protein-1 (GRASP-1), also named as GRIPAP1, is a neuron-specific effector of the small GTPase Rab4 and key component of AMPA receptor recycling machinery in dendrites. GRASP-1 is essential for maintenance of spine morphology and important for LTP. GRASP-1 connects Rab4 and Rab11 recycling endosomal domains through the interaction with target (t)-SNARE syntaxin. The MW of this protein is 97 kDa, and Catalog#15806-1-AP specially recognises the 97 kDa protein.

Notable Publications

Author	Pubmed ID	Journal	Application
Hani Goodarzi	27259150	Cell	WB

Storage

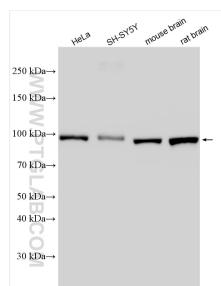
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

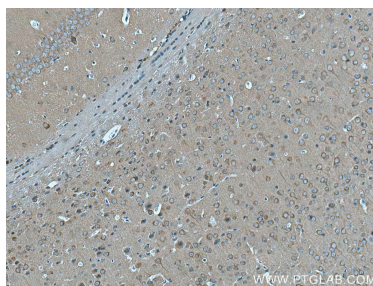
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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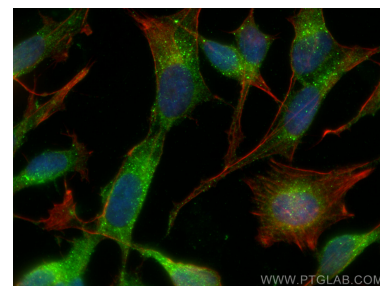
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15806-1-AP (GRIPAP1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15806-1-AP (GRIPAP1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using GRIPAP1 antibody (15806-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).