

For Research Use Only

# GRIPAP1 Polyclonal antibody

Catalog Number: 15806-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 15806-1-AP	<b>GenBank Accession Number:</b> BC001522	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 350 µg/ml	<b>GeneID (NCBI):</b> 56850	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IHC 1:50-1:500 IF 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q4V328	
<b>Isotype:</b> IgG	<b>Full Name:</b> GRIP1 associated protein 1	
<b>Immunogen Catalog Number:</b> AG8540	<b>Calculated MW:</b> 841 aa, 96 kDa	
	<b>Observed MW:</b> 97 kDa	

## Applications

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

## 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

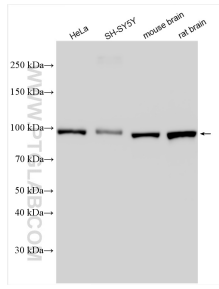
## Storage

**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

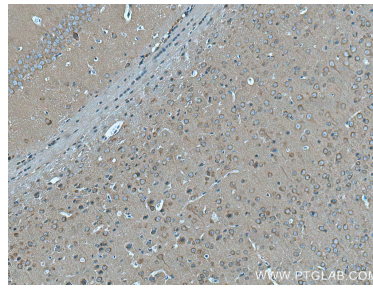
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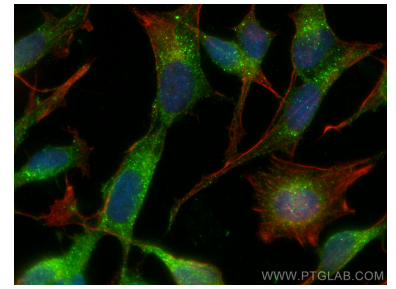
## Selected Validation Data



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).