

For Research Use Only

# Dynamin 1 Polyclonal antibody

Catalog Number: 18205-1-AP

Featured Product

8 Publications



## Basic Information

### Catalog Number:

18205-1-AP

### Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 260 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG12827

### GenBank Accession Number:

BC063850

### GeneID (NCBI):

1759

### UNIPROT ID:

Q05193

### Full Name:

dynamin 1

### Calculated MW:

851 aa, 96 kDa

### Observed MW:

100 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, pig, chicken, fish

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : mouse brain tissue, NIH/3T3 cells, A549 cells

IP : mouse brain tissue,

IHC : rat brain tissue, mouse brain tissue

IF/ICC : Neuro-2a cells,

## Notable Publications

Author	Pubmed ID	Journal	Application
Shu-Wei Chen	34769475	Int J Mol Sci	WB
Xingyu Zhang	34018922	Elife	WB
Li Zou	33677035	Neurobiol Dis	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

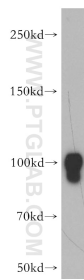
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

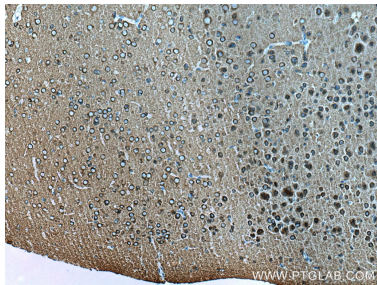
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

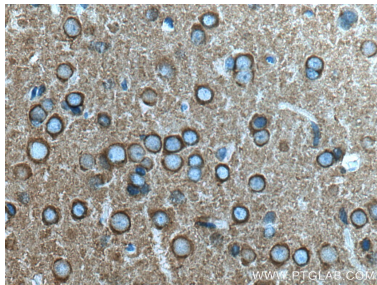
Selected Validation Data



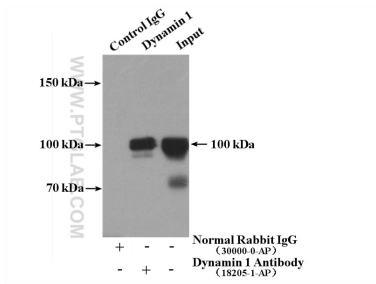
mouse brain tissue were subjected to SDS PAGE followed by western blot with 18205-1-AP (Dynamin 1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



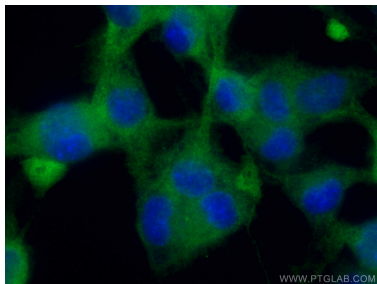
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 18205-1-AP (Dynamin 1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



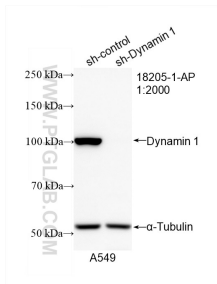
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 18205-1-AP (Dynamin 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-Dynamin 1 (IP:18205-1-AP, 4ug; Detection:18205-1-AP 1:2000) with mouse brain tissue lysate 4000ug.



Immunofluorescent analysis of (4% PFA) fixed Neuro-2a cells using 18205-1-AP (Dynamin 1 antibody), at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L).



WB result of Dynamin 1 antibody (18205-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Dynamin 1 transfected A549 cells.