

For Research Use Only

# PPFIA3 Polyclonal antibody

Catalog Number: 11492-1-AP

2 Publications



## Basic Information

### Catalog Number:

11492-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1971

### GenBank Accession Number:

BC021255

### GeneID (NCBI):

8541

### UNIPROT ID:

O75145

### Full Name:

protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 3

### Calculated MW:

1194 aa, 133 kDa

### Observed MW:

140 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

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

IHC 1:250-1:1000

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB : mouse brain tissue, HEK-293 cells, rat brain tissue

IP : mouse brain tissue,

IHC : mouse cerebellum tissue,

**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

PPFIA3, also named as KIAA0654, belongs to the liprin family and Liprin-alpha subfamily. PPFIA3 may regulate the disassembly of focal adhesions. It may localize receptor-like tyrosine phosphatases type 2A at specific sites on the plasma membrane, possibly regulating their interaction with the extracellular environment and their association with substrates. PPFIA3 exhibits more than 5 fold accumulations in the monoribosome fraction. PPFIA3 is decreased at the protein level by the miR-99 family but not in the luciferase reporter with the 3'UTR of PPFIA3. (PMID:21212412)

## Notable Publications

Author	Pubmed ID	Journal	Application
Takeshi Uemura	35385735	Cell Rep	IHC
Sun Dandan D	21212412	Cancer Res	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

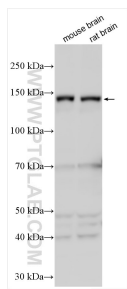
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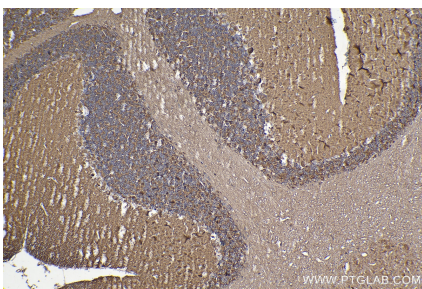
E: proteintech@ptglab.com  
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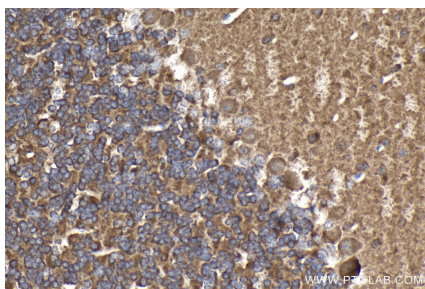
Selected Validation Data



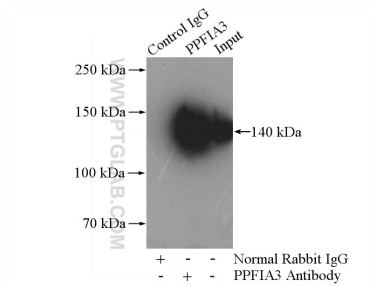
Various lysates were subjected to SDS PAGE followed by western blot with 11492-1-AP (PPFIA3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 11492-1-AP (PPFIA3 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 11492-1-AP (PPFIA3 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-PPFIA3 (IP:11492-1-AP, 4ug; Detection:11492-1-AP 1:600) with mouse brain tissue lysate 3440ug.