

For Research Use Only

PPFIA3 Recombinant antibody

Catalog Number: 83142-4-RR



Basic Information

Catalog Number:

83142-4-RR

Size:

1000 µg/ml

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:

Protein A purification

CloneNo.:

230459F6

Recommended Dilutions:

WB 1:5000-1:50000

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

Applications

Tested Applications:

WB, FC (Intra), IP, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : SH-SY5Y cells, mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

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)

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

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

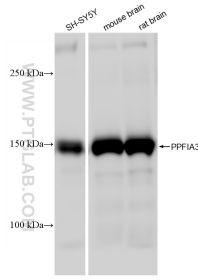
T: 4006900926

E: Proteintech-CN@ptglab.com

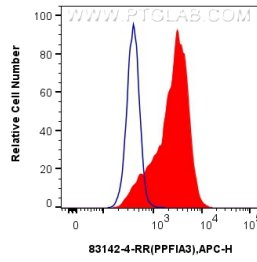
W: ptgcn.com

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

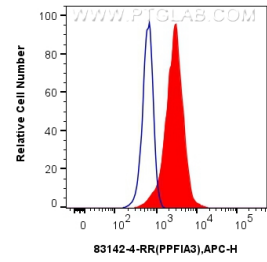
Selected Validation Data



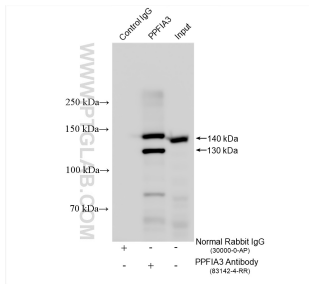
Various lysates were subjected to SDS PAGE followed by western blot with 83142-4-RR (PPFIA3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



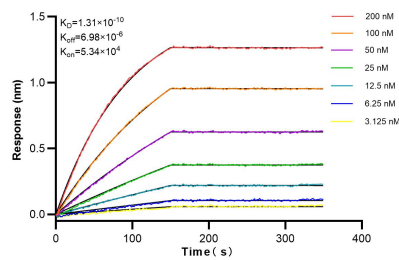
1×10^6 HEK-293 cells were intracellularly stained with 0.25 μ g PPFIA3 Recombinant antibody (83142-4-RR, Clone:230459F6) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1×10^6 U-251 cells were intracellularly stained with 0.25 μ g PPFIA3 Recombinant antibody (83142-4-RR, Clone:230459F6) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



IP result of anti-PPFIA3 (IP:83142-4-RR, 4 μ g; Detection:83142-4-RR 1:4000) with mouse brain tissue lysate 2100 μ g.



Biolayer interferometry (BLI) kinetic assays of 83142-4-RR against Human PPFIA3 were performed. The affinity constant is 0.131 nM.