

For Research Use Only

# Liprin Alpha 1 Polyclonal antibody

Catalog Number: 14175-1-AP

Featured Product

29 Publications



## Basic Information

### Catalog Number:

14175-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 293 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG5381

### GenBank Accession Number:

BC034046

### GeneID (NCBI):

8500

### UNIPROT ID:

Q13136

### Full Name:

protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 1

### Calculated MW:

1202 aa, 136 kDa

### Observed MW:

140-160 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:12000

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, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, monkey

**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: HeLa cells, MCF-7 cells

IP: MCF-7 cells,

IHC: human prostate cancer tissue,

IF/ICC: HepG2 cells, A549 cells

## Background Information

Liprin alpha 1, encoded by the PPFIA1 gene, is a member of the LAR protein-tyrosine phosphatase-interacting protein (liprin) family. Liprins interact with members of LAR family of transmembrane protein tyrosine phosphatases, which are known to be important for axon guidance and mammary gland development. Liprin alpha 1 may regulate the disassembly of focal adhesions and thus help orchestrate cell-matrix interactions (PMID: 7796809). Alternatively spliced transcript variants encoding distinct isoforms have been described.

## Notable Publications

Author	Pubmed ID	Journal	Application
Marta Ripamonti	36171301	Commun Biol	WB,IF
Veronica Astro	27659488	Sci Rep	WB,IF
Kristyna Sala	31537859	Sci Rep	IF

## 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

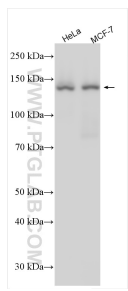
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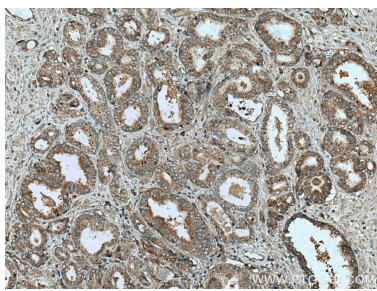
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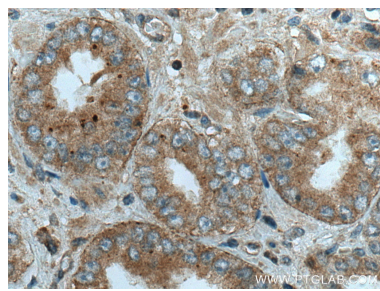
Selected Validation Data



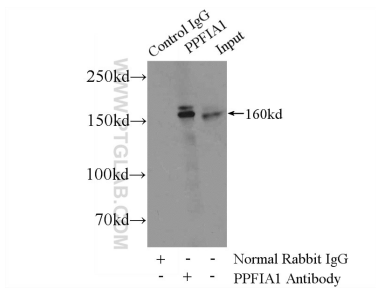
Various lysates were subjected to SDS PAGE followed by western blot with 14175-1-AP (Liprin Alpha 1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



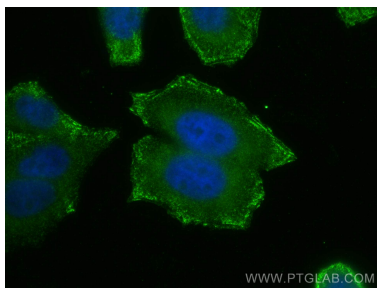
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 14175-1-AP (Liprin alpha 1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



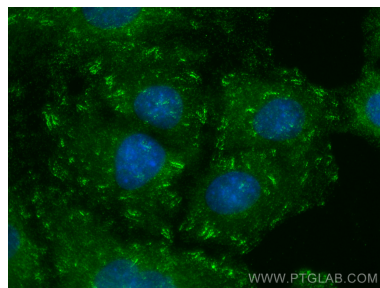
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 14175-1-AP (Liprin alpha 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-Liprin Alpha 1 (IP:14175-1-AP, 4ug; Detection:14175-1-AP 1:500) with MCF-7 cells lysate 3200ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Liprin Alpha 1 antibody (14175-1-AP) at dilution of 1:200 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using Liprin Alpha 1 antibody (14175-1-AP) at dilution of 1:200 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).