

For Research Use Only

# SPIN1 Polyclonal antibody

Catalog Number: 12105-1-AP

Featured Product

14 Publications



## Basic Information

### Catalog Number:

12105-1-AP

### Size:

600 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2750

### GenBank Accession Number:

BC013571

### GeneID (NCBI):

10927

### UNIPROT ID:

Q9Y657

### Full Name:

spindlin 1

### Calculated MW:

262 aa, 30 kDa

### Observed MW:

30 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

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, ChIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB : HeLa cells, PC-3 cells

IP : HeLa cells,

IF/ICC : HEK-293 cells,

## Background Information

SPIN1 (Spindlin 1) is a histone methylation reader, which recognizes trimethylated histone H3 lysine 4 through the protein-protein interaction. SPIN1 was initially found in ovarian cancer via searching ovarian cancer-related genes. It is overexpressed in ovarian cancer tissue, which exhibits a high homology to mouse Spin (Spindlin) gene. Signaling pathways responsible for SPIN1 functions include PI3K/Akt, Wnt and RET that are highly relevant to tumorigenesis. (PMID: 34492335, PMID: 31790762)

## Notable Publications

Author	Pubmed ID	Journal	Application
Shun Li	33320589	ACS Biomater Sci Eng	WB
Xiaolei Zhang	30249398	Biochem Biophys Res Commun	WB, IF
Aur�lie Ducroux	25211330	PLoS Pathog	WB, IP

## 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:

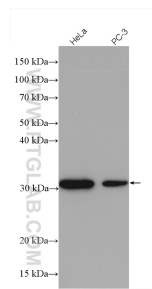
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

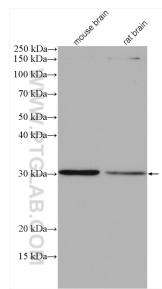
W: [ptgcn.com](http://ptgcn.com)

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

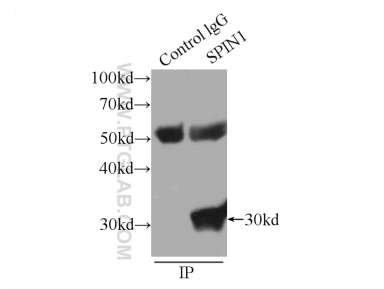
Selected Validation Data



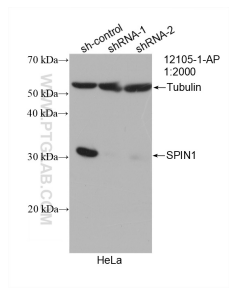
Various lysates were subjected to SDS PAGE followed by western blot with 12105-1-AP (SPIN1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



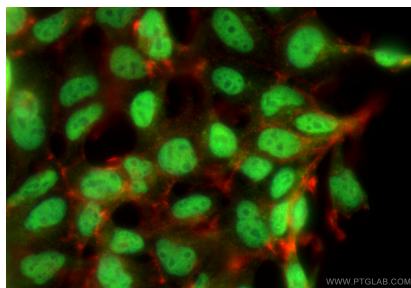
Various lysates were subjected to SDS PAGE followed by western blot with 12105-1-AP (SPIN1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-SPIN1 (IP:12105-1-AP, 3ug; Detection:12105-1-AP 1:800) with HeLa cells lysate 1840ug.



WB result of SPIN1 antibody (12105-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SPIN1 transfected HeLa cells.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using SPIN1 antibody (12105-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).