For Research Use Only

SPIN1 Polyclonal antibody

Catalog Number:12105-1-AP Featured Product 12 Publications

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Basic Information

Catalog Number:
12105-1-AP

Size:
150ul , Concentration: 600 ug/ml by Nanodrop and 287 ug/ml by Bradford method using BSA as the standard;

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 1:20-1:200

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
Aurélie Ducroux	25211330	PLoS Pathog	WB, IP

Storage

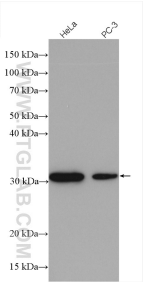
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

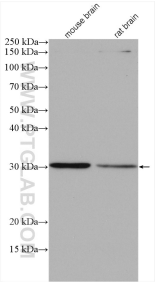
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

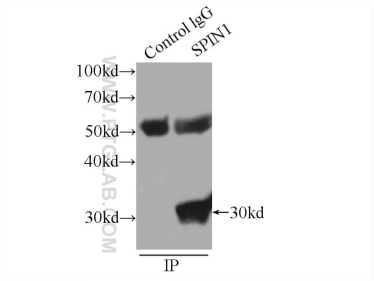
Selected Validation Data



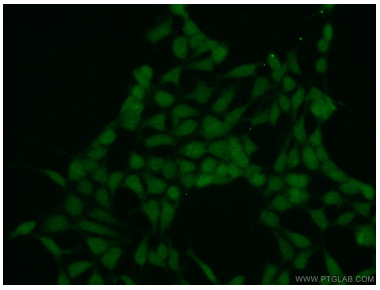
Various lysates were subjected to SDS PAGE followed by western blot with 12105-1-AP (SPIN1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



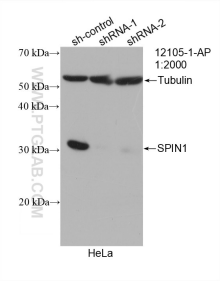
Various lysates were subjected to SDS PAGE followed by western blot with 12105-1-AP (SPIN1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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



Immunofluorescent analysis of HEK-293 cells using 12105-1-AP (SPIN1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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.