

For Research Use Only

# SPIN1-Specific Polyclonal antibody



Catalog Number: 19531-1-AP

Featured Product

4 Publications

## Basic Information

<b>Catalog Number:</b> 19531-1-AP	<b>GenBank Accession Number:</b> NM_006717	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 µg/ml by Nanodrop and 327 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10927	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>Full Name:</b> spindlin 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 30 kDa	
	<b>Observed MW:</b> 30 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : SKOV-3 cells, A2780 cells, HEK-293 cells
<b>Cited Applications:</b> IHC, WB	<b>IHC :</b> human ovary tumor tissue,
<b>Species Specificity:</b> human	<b>IF :</b> HeLa cells,
<b>Cited Species:</b> human	

**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

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
Ling Zhou	34753384	Bioengineered	IHC
Xu Chen	29743122	J Exp Clin Cancer Res	IHC
Sulpizio Marilisa M	21826706	J Cell Biochem	WB

## Storage

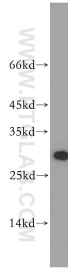
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

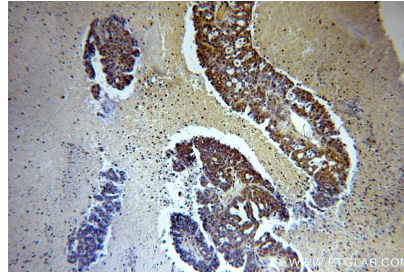
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

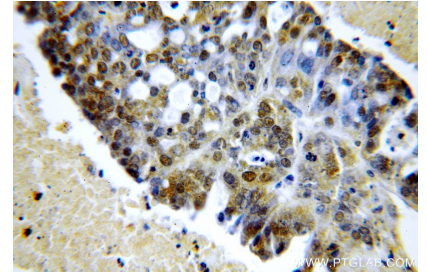
## Selected Validation Data



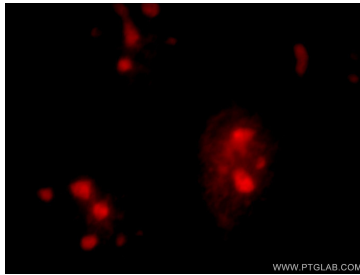
SKOV-3 cells were subjected to SDS PAGE followed by western blot with 19531-1-AP (SPIN1-Specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 19531-1-AP (SPIN1-Specific antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 19531-1-AP (SPIN1-Specific antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HeLa cells, using SPIN1 antibody 19531-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).