

For Research Use Only

# SUFU Polyclonal antibody

Catalog Number: 26759-1-AP

Featured Product

9 Publications



## Basic Information

<b>Catalog Number:</b> 26759-1-AP	<b>GenBank Accession Number:</b> BC013291	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 600 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 51684	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> suppressor of fused homolog (Drosophila)	<b>IHC 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 54 kDa	<b>IF 1:50-1:500</b>
<b>Immunogen Catalog Number:</b> AG25200	<b>Observed MW:</b> 50 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, C6 cells, HEK-293 cells, NIH/3T3 cells
<b>Cited Applications:</b> IF, IHC, WB	<b>IP :</b> NIH/3T3 cells,
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human kidney tissue,
<b>Cited Species:</b> human, rat, mouse	<b>IF :</b> HeLa cells,

**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

Sufu (Suppressor of fused) is a central regulator of Hh (Hedgehog) signaling and acts as a tumor suppressor by maintaining the Gli (Glioma-associated oncogene homolog) transcription factors inactive. Loss of Sufu function promotes tumorigenesis.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiao Ding	31519191	J Exp Clin Cancer Res	WB,IHC
Leah Schembs	35584663	Cell Rep	IF
Liwei Zhang	32550895	Theranostics	WB

## Storage

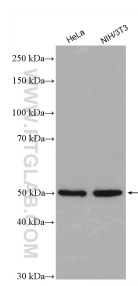
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

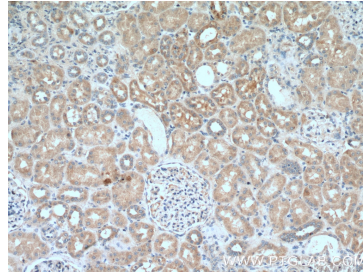
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

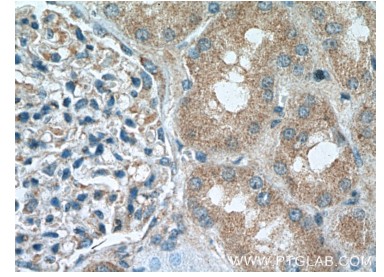
## Selected Validation Data



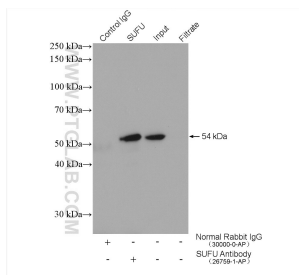
Various lysates were subjected to SDS PAGE followed by western blot with 26759-1-AP (SUFU antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



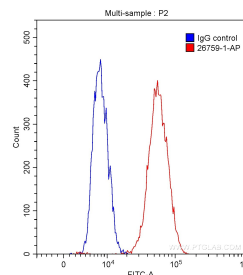
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 26759-1-AP (SUFU Antibody) at dilution of 1:200 (under 10x lens).



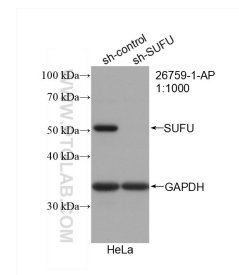
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 26759-1-AP (SUFU Antibody) at dilution of 1:200 (under 40x lens).



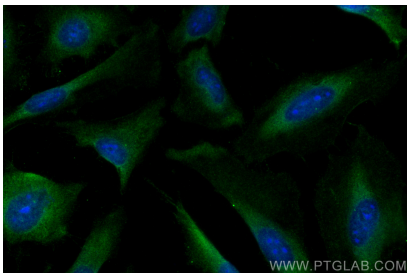
IP result of anti-SUFU (IP:26759-1-AP, 4ug; Detection:26759-1-AP 1:1000) with NIH/3T3 cells lysate 1600 ug.



$1 \times 10^6$  HEK-293 cells were intracellularly stained with 0.20 ug/test Anti-Human SUFU (26759-1-AP) (red) or 0.20 ug control antibody (blue) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000. Fixed with 90% MeOH.



WB result of SUFU antibody (26759-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SUFU transfected HeLa cells.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using SUFU antibody (26759-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).