

For Research Use Only

# SUB1 Polyclonal antibody

Catalog Number: 10948-2-AP

Featured Product

3 Publications



## Basic Information

<b>Catalog Number:</b> 10948-2-AP	<b>GenBank Accession Number:</b> BC009610	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 850 µg/ml by Nanodrop and 467 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10923	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> SUB1 homolog (S. cerevisiae)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 14 kDa	
<b>Immunogen Catalog Number:</b> AG1390	<b>Observed MW:</b> 18-23 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, A549 cells IHC : human pancreas cancer tissue, IF : HeLa cells,
<b>Cited Applications:</b> CoIP, IF, IHC, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

SUB1 gene encodes activated RNA polymerase II transcriptional coactivator p15, also termed as positive cofactor 4 (PC4) or p14. SUB1 is a sort of general coactivator that functions in assembling and stabilization of transcription complex. It has DNA binding activity and is localized in the nucleus, multiple modification sites of phosphorylation or acetylation may turn it appear slightly shifted molecular weight. Catalog#10948-2-AP is a rabbit polyclonal antibody raised against full-length human SUB1. This antibody recognize 14-16 kDa (P14 or P15), 20 kDa(phospho form) and 30 kDa (Dimer form).

## Notable Publications

Author	Pubmed ID	Journal	Application
Hao Wang	38240906	Sci China Life Sci	WB,IHC,IF,CoIP
Li Lu L	22807403	J Cell Biochem	WB
Ho Jiapei J	19086899	J Proteome Res	WB,IHC

## Storage

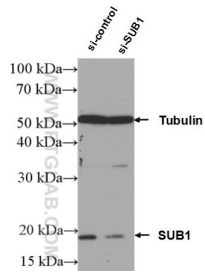
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

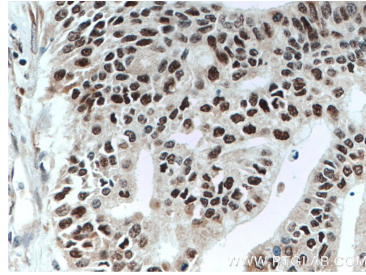
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

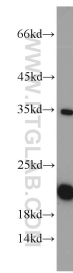
## Selected Validation Data



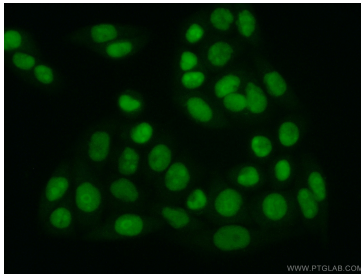
WB result of SUB1 antibody (10948-2-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SUB1 transfected A549 cells.



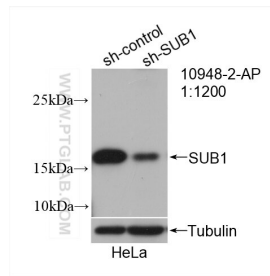
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 10948-2-AP (SUB1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



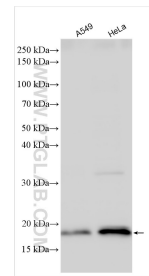
HeLa cells were subjected to SDS PAGE followed by western blot with 10948-2-AP (SUB1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 10948-2-AP (SUB1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



WB result of SUB1 antibody (10948-2-AP; 1:1200; incubated at room temperature for 1.5 hours) with sh-Control and sh-SUB1 transfected HeLa cells.



Various lysates were subjected to SDS PAGE followed by western blot with 10948-2-AP (SUB1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.