

For Research Use Only

# UBE4B Polyclonal antibody

Catalog Number: 18148-1-AP

Featured Product

9 Publications



## Basic Information

### Catalog Number:

18148-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 247 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG12836

### GenBank Accession Number:

BC093696

### GeneID (NCBI):

10277

### UNIPROT ID:

O95155

### Full Name:

ubiquitination factor E4B (UFD2 homolog, yeast)

### Calculated MW:

1173 aa, 133 kDa

### Observed MW:

146 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:2000-1:10000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:200-1:800

IF/ICC: 1:10-1:100

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IP

### Species Specificity:

human, mouse, rat

### Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB: HEK-293T cells, HeLa cells, mouse testis tissue, K-562 cells, Raji cells

IP: HeLa cells,

IHC: human stomach cancer tissue,

IF/ICC: HeLa cells,

## Background Information

UBE4B (Ubiquitin Conjugation E4 B) is a protein-coding gene that plays a crucial role in the ubiquitination process, which is essential for protein degradation and regulation of various cellular processes. UBE4B functions as both an E3 and E4 ubiquitin ligase. It collaborates with other ubiquitin ligases to catalyze the transfer of ubiquitin molecules to target proteins, leading to their degradation or other intracellular sorting events. For example, UBE4B has been shown to ubiquitinate and degrade proteins such as Ku70, c-FLIPL, and p53. It also interacts with the E3 ubiquitin ligase ITCH to induce polyubiquitination and proteasomal degradation of target proteins.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xianyan Hu	32645369	Mol Cell	WB
Hongyu Zhang	24995952	Proteomics	WB
Xu-Qiong Huang	32021266	Onco Targets Ther	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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

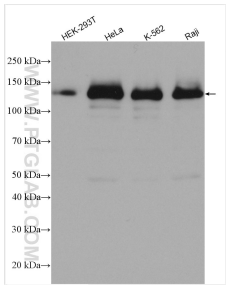
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

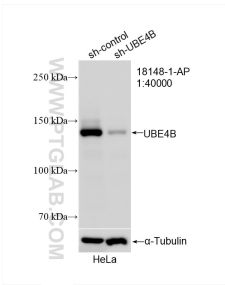
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

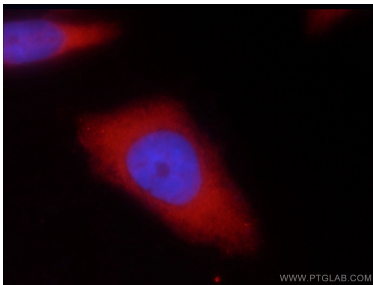
Selected Validation Data



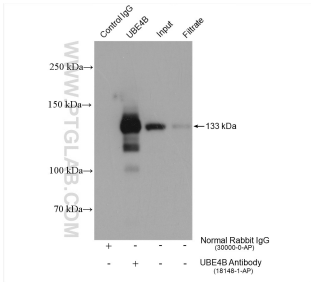
Various lysates were subjected to SDS PAGE followed by western blot with 18148-1-AP (UBE4B antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



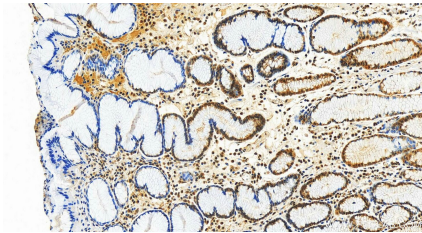
WB result of UBE4B antibody (18148-1-AP; 1:40000; incubated at room temperature for 1.5 hours) with sh-Control and sh-UBE4B transfected HeLa cells.



Immunofluorescent analysis of HeLa cells using 18148-1-AP (UBE4B antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.



IP result of anti-UBE4B (IP:18148-1-AP, 4ug; Detection:18148-1-AP 1:1000) with HeLa cells lysate 2320 ug.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 18148-1-AP (UBE4B antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).