

For Research Use Only

# CBX4 Polyclonal antibody, PBS Only

Catalog Number: 18544-1-PBS

Featured Product



## Basic Information

### Catalog Number:

18544-1-PBS

### Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG13425

### GenBank Accession Number:

BC014967

### GeneID (NCBI):

8535

### UNIPROT ID:

O00257

### Full Name:

chromobox homolog 4 (Pc class homolog, Drosophila)

### Calculated MW:

61 kDa

### Observed MW:

~75 kDa

### Purification Method:

Antigen affinity purification

## Applications

### Tested Applications:

WB, IF/ICC, Indirect ELISA

### Species Specificity:

human, mouse, rat

## Background Information

CBX4, also named as E3 SUMO-protein ligase CBX4 or Polycomb 2 homolog, is a 560 amino acid protein, which contains 1 chromo domain. CBX4 facilitates SUMO1 conjugation by UBE2L. CBX4 acting as a transcriptional co-repressor is involved in maintaining the transcriptionally repressive state of genes, modifies chromatin, rendering it heritably changed in its expressibility. CBX4 localizes in the nucleus and is widely expressed in various tissues. The calculated molecular weight of CBX4 is 61 kDa, but the modified CBX4 may be a 70-75 kDa protein.

## Storage

### Storage:

Store at -80°C.

### Storage Buffer:

PBS Only

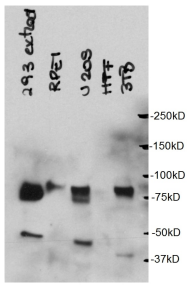
For technical support and original validation data for this product please contact:

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

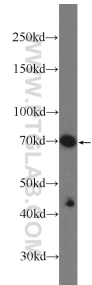
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

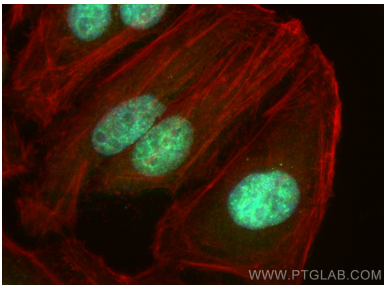
Selected Validation Data



WB result of anti-CBX4 (18544-1-AP) with various cell. (Courtesy of L. Pirone and R. Barrio, CIC bioGUNE). This data was developed using the same antibody clone with 18544-1-PBS in a different storage buffer formulation.



PC-3 cells were subjected to SDS PAGE followed by western blot with 18544-1-AP (CBX4 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 18544-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CBX4 antibody (18544-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red). This data was developed using the same antibody clone with 18544-1-PBS in a different storage buffer formulation.