

For Research Use Only

CBX4 Polyclonal antibody

Catalog Number: 18544-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number: 18544-1-AP	GenBank Accession Number: BC014967	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8535	Recommended Dilutions: WB 1:500-1:1000 IF 1:50-1:400
Source: Rabbit	Full Name: chromobox homolog 4 (Pc class homolog, Drosophila)	
Isotype: IgG	Calculated MW: 61 kDa	
Immunogen Catalog Number: AG13425	Observed MW: ~75 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Cited Applications: IF, PLA, WB	WB : Various cell, HEK-293 cell, PC-3 cells
Species Specificity: human, mouse, rat	IF : U2OS cell, HeLa cells
Cited Species: human	

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 UBE2I. 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Immacolata Giordano	34621739	Front Cell Dev Biol	WB,IF,PLA
Zengxi Yang	33464142	Bioengineered	WB
Liwei Ren	37691307	Mol Oncol	WB

Storage

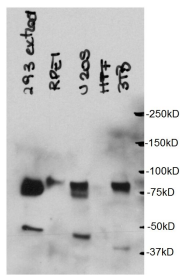
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

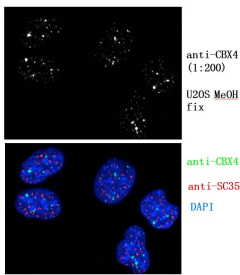
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

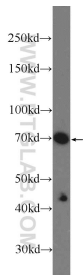
Selected Validation Data



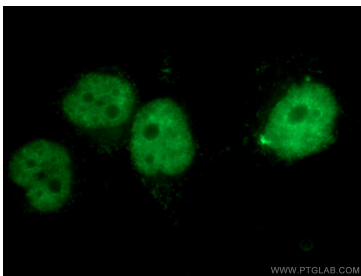
WB result of anti-CBX4 (18544-1-AP) with various cell. (Courtesy of L. Pirone and R. Barrio, CIC bioGUNE).



IF result of anti-CBX4 (18544-1-AP, 1:200) with U2OS cell, MeOH fixation. (Courtesy of L. Pirone and R. Barrio, CIC bioGUNE).



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.



Immunofluorescent analysis of HeLa cells using 18544-1-AP (CBX4 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).