

For Research Use Only

CBX3 Polyclonal antibody

Catalog Number: 11650-2-AP

Featured Product

28 Publications



Basic Information

Catalog Number: 11650-2-AP	GenBank Accession Number: BC000954	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 µg/ml by Nanodrop and 287 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 11335	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	Full Name: chromobox homolog 3 (HP1 gamma homolog, Drosophila)	IHC 1:20-1:200
Isotype: IgG	Calculated MW: 21 kDa	IF 1:50-1:500
Immunogen Catalog Number: AG2251	Observed MW: 22 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: ChIP, CoIP, IF, IHC, IP, WB	WB : mouse spleen tissue, A375 cells
Species Specificity: human, mouse, rat	IP : mouse spleen tissue,
Cited Species: human, rat, mouse	IHC : human colon cancer tissue,
	IF : HepG2 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

The family of Heterochromatin protein 1 (HP1) proteins is a family of highly conserved heterochromatin-associated non-histone chromosomal proteins, which has important functions in nucleus. These functions include gene activation or repression, regulation of binding of cohesion complexes to centromere, sequestration of genes to nuclear periphery, and heterochromatin formation and propagation. Much evidence shows that HP1 proteins interact with numerous proteins including methylated histones, histone methyltransferases and so on. CBX3 is one of the paralogs of HP1 proteins

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoling Cui	36140818	Genes (Basel)	WB,IF
Xun Huang	30220457	Cell	WB
Jin Liu	36140750	Genes (Basel)	WB

Storage

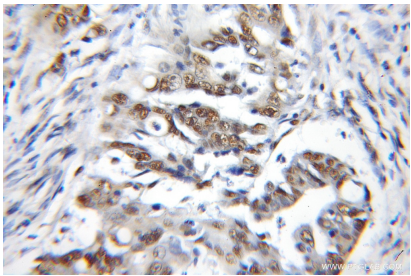
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

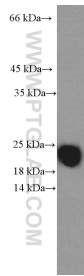
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

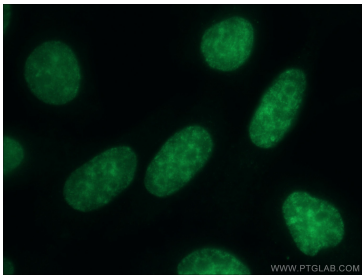
Selected Validation Data



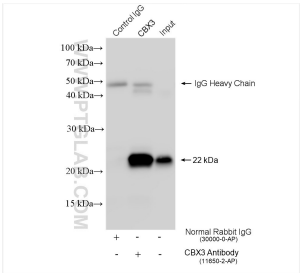
Immunohistochemical analysis of paraffin-embedded human colon cancer using 11650-2-AP (CBX3 antibody) at dilution of 1:100 (under 10x lens).



mouse spleen tissue were subjected to SDS PAGE followed by western blot with 11650-2-AP (CBX3 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 11650-2-AP (CBX3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-CBX3(IP:11650-2-AP, 4ug; Detection:11650-2-AP 1:3000) with mouse spleen tissue lysate 1560 ug.