

For Research Use Only

CBX2 Monoclonal antibody

Catalog Number: 68244-1-Ig



Basic Information

Catalog Number: 68244-1-Ig	GenBank Accession Number: BC004252	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 84733	CloneNo.: 1D3H3
Source: Mouse	UNIPROT ID: Q14781	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:200-1:800
Isotype: IgG1	Full Name: chromobox homolog 2 (Pc class homolog, Drosophila)	
Immunogen Catalog Number: AG8311	Calculated MW: 56 kDa	
	Observed MW: 65-70 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : HepG2 cells, HEK-293 cells, HeLa cells, Jurkat cells, K-562 cells IF/ICC : HEK-293 cells,

Background Information

The chromobox homolog protein 2 (CBX2) is a critical component of the PRC1 complex involved in antiviral innate immunity, neuronal, and gonadal differentiation, axial patterning during embryonic development, cell proliferation, and senescence (PMID: 32870972). CBX2 has 2 isoforms with the molecular mass of 23 and 56 kDa. Sometimes higher molecular weight around 65-70 kDa can also be observed, which may be a modified variant of CBX2.

Storage

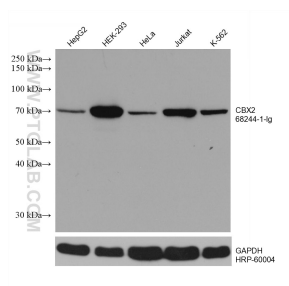
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

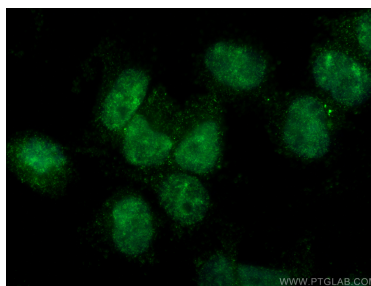
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68244-1-Ig (CBX2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using CBX2 antibody (68244-1-Ig, Clone: 1D3H3) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).