

For Research Use Only

# CBX2 Monoclonal antibody

Catalog Number: 68244-1-Ig



## Basic Information

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

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, HEK-293 cells, HeLa cells, Jurkat cells, K-562 cells
<b>Species Specificity:</b> Human	

## 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

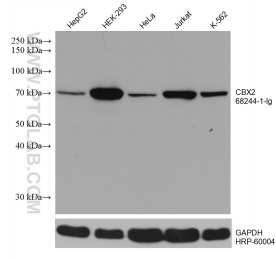
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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.