

For Research Use Only

CBX1 Recombinant antibody

Catalog Number: 83248-4-RR



Basic Information

Catalog Number:

83248-4-RR

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34901

GenBank Accession Number:

BC002609

GeneID (NCBI):

10951

UNIPROT ID:

P83916

Full Name:

chromobox homolog 1 (HP1 beta homolog Drosophila)

Calculated MW:

27 kDa

Observed MW:

27 kDa

Purification Method:

Protein A purification

CloneNo.:

240075H6

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:150-1:600

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : MCF-7 cells, mouse spleen tissue, mouse brain tissue, mouse kidney tissue, rat brain tissue, human kidney tissue

IF/ICC : HeLa cells,

Background Information

One function of heterochromatin is the epigenetic silencing by sequestration of genes into transcriptionally repressed nuclear neighborhoods. Heterochromatin protein 1 (HP1) is a major component of heterochromatin and is a candidate for establishing and mediating gene silencing. This protein is expressed in all adult and embryonic tissues, as a homodimer.

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

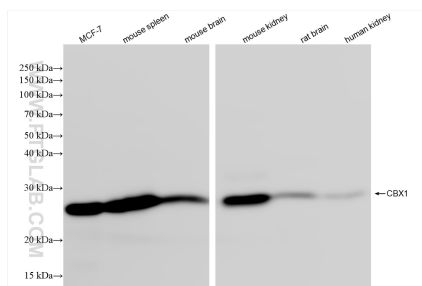
For technical support and original validation data for this product please contact:

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

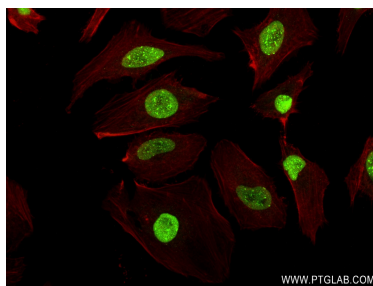
E: proteintech@ptglab.com
W: ptglab.com

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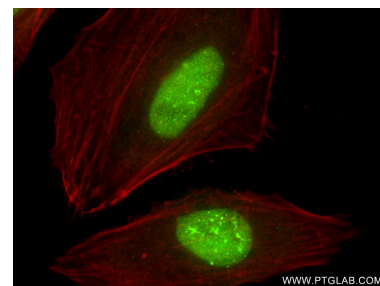
Selected Validation Data



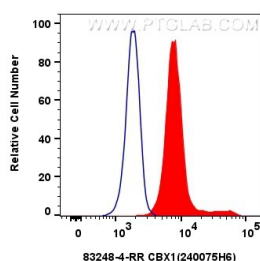
Various lysates were subjected to SDS PAGE followed by western blot with 83248-4-RR (CBX1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



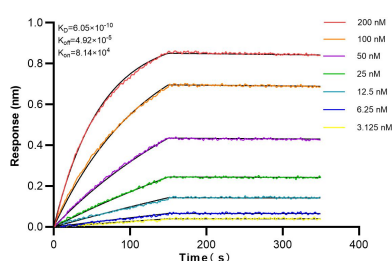
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CBX1 antibody (83248-4-RR, Clone: 240075H6) at dilution of 1:300 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CBX1 antibody (83248-4-RR, Clone: 240075H6) at dilution of 1:300 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug Cbx1 Recombinant Antibody (83248-4-RR, Clone:240075H6) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biolayer interferometry (BLI) kinetic assays of 83248-4-RR against Human CBX1 were performed. The affinity constant is 0.605 nM.