

For Research Use Only

CBX1 Polyclonal antibody

Catalog Number: 10241-2-AP

Featured Product

5 Publications



Basic Information

Catalog Number:
10241-2-AP

Size:
150ul , Concentration: 650 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0328

GenBank Accession Number:
BC002609

GeneID (NCBI):
10951

Full Name:
chromobox homolog 1 (HP1 beta homolog Drosophila)

Calculated MW:
27 kDa

Observed MW:
27 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IF 1:50-1:500

Applications

Tested Applications:
IF, IP, WB, ELISA

Cited Applications:
IF, IHC, IP, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

Positive Controls:

WB: A431 cells, human brain tissue, HEK-293 cells, HeLa cells

IP: HEK-293 cells,

IF: HEK-293 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Longfei Ma	34762123	J Exp Med	WB, IP
Zhangping He	32161174	J Virol	WB
Guang Yang	28361889	Nat Commun	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

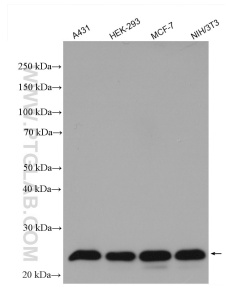
For technical support and original validation data for this product please contact:

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

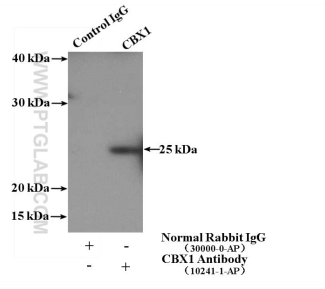
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W: ptglab.com

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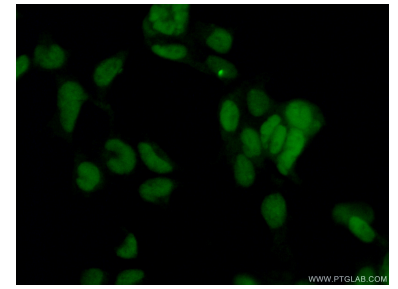
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10241-2-AP (CBX1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-CBX1 (IP:10241-2-AP, 3ug; Detection:10241-2-AP 1:500) with HEK-293 cells lysate 1480ug.



Immunofluorescent analysis of (10% Formaldehyde) fixed HEK-293 cells using 10241-2-AP (CBX1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).