

For Research Use Only

# CBX1 Polyclonal antibody

Catalog Number: 31108-1-AP



## Basic Information

### Catalog Number:

31108-1-AP

### Size:

150ul , Concentration: 400 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:

21-27 kDa

### Purification Method:

Antigen affinity Purification

### Recommended Dilutions:

WB 1:1000-1:4000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human, mouse

### Positive Controls:

WB : A431 cells, HEK-293 cells, MCF-7 cells, NIH/3T3 cells

## Background Information

CBX1 (chromobox 1), also known as CBX. It is expected to be located in nucleus, the protein is expressed in all adult and embryonic tissues. It is a member of the heterochromatin protein family. CBX1 is enriched in the heterochromatin and associated with centromeres. The protein has a single N-terminal chromodomain which can bind to histone proteins via methylated lysine residues, and a C-terminal chromo shadow-domain (CSD) which is responsible for the homodimerization and interaction with a number of chromatin-associated nonhistone proteins. It may play an important role in the epigenetic control of chromatin structure and gene expression. The calculated molecular weight of CBX1 is 21 kDa.

## 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

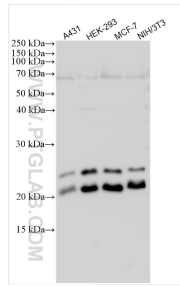
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31108-1-AP (CBX1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.