

For Research Use Only

# CBX1 Polyclonal antibody

Catalog Number: 31108-1-AP



## Basic Information

**Catalog Number:**

31108-1-AP

**Size:**

400 ug/ml

**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

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

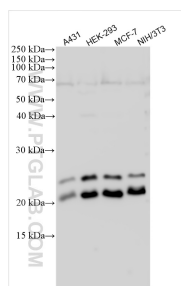
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## Selected Validation Data



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.