



## Rabbit Anti-CBX7 antibody

SL7373R

<b>Product Name:</b>	CBX7
<b>Chinese Name:</b>	CBX7蛋白抗体
<b>Alias:</b>	CBX-7; CBX7_HUMAN; Cbx 7; CBX7; Chromobox homolog 7; Chromobox protein homolog 7; OTTHUMP00000028984.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,Chimpanzee,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	28kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CBX7:21-120/251
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Control of cell proliferation by Polycomb group proteins (PcG) is an important facet of cellular homeostasis and its disruption can promote tumorigenesis. CBX7 is a novel PcG protein which is found to control the growth of normal cells. CBX7 is a gene that encodes a Polycomb protein, as shown by sequence homology, its interaction with Ring1 and its localization to nuclear Polycomb bodies. CBX7 extends the lifespan of a wide range of normal human cells and immortalizes mouse fibroblasts by downregulating

expression of the Ink4a/Arf locus. CBX7 does not inter-function or colocalize with Bmi1, and both can exert their actions independently of each other as shown by reverse genetics. CBX7 was highly expressed in three different prostate cancer cell lines and present at elevated levels in normal prostate. (Gil et al., 2004).

**Subcellular Location:**

Nuclear

**Similarity:**

Contains 1 chromo domain.

**SWISS:**

O95931

**Gene ID:**

23492

**Database links:**

[Entrez Gene: 23492](#) Human

[Entrez Gene: 525770](#) Cow

[Entrez Gene: 52609](#) Mouse

[Entrez Gene: 362962](#) Rat

[Omim: 608457](#) Human

[SwissProt: O95931](#) Human

[SwissProt: Q8VDS3](#) Mouse

[SwissProt: P60889](#) Rat

[Unigene: 356416](#) Human

[Unigene: 12512](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.