

CBX7 (aa88-99) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3847a**Specification**

CBX7 (aa88-99) Antibody (internal region) - Product Information

Application	E
Primary Accession	O95931
Other Accession	NP_783640.1 , 23492
Predicted	Human, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	28341

CBX7 (aa88-99) Antibody (internal region) - Additional Information**Gene ID** 23492**Other Names**

Chromobox protein homolog 7, CBX7

Dilution

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CBX7 (aa88-99) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

CBX7 (aa88-99) Antibody (internal region) - Protein Information**Name** CBX7**Function**

Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility. Promotes histone H3 trimethylation at 'Lys-9' (H3K9me3). Binds to trimethylated

lysine residues in histones, and possibly also other proteins. Regulator of cellular lifespan by maintaining the repression of CDKN2A, but not by inducing telomerase activity.

Cellular Location

Nucleus

CBX7 (aa88-99) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CBX7 (aa88-99) Antibody (internal region) - Images**CBX7 (aa88-99) Antibody (internal region) - References**

Polycomb CBX7 directly controls trimethylation of histone H3 at lysine 9 at the p16 locus. Li Q, Wang X, Lu Z, Zhang B, Guan Z, Liu Z, Zhong Q, Gu L, Zhou J, Zhu B, Ji J, Deng D. PLoS One. 2010 Oct 29;5(10):e13732. PMID: 21060834