

**CBX6 Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2075a****Specification****CBX6 Antibody - Product Information**

Application	E, WB
Primary Accession	<a href="#">O95503</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	43.9kDa KDa

**Description**

CBX6 (chromobox homolog 6) is a protein-coding gene. GO annotations related to this gene include single-stranded RNA binding. An important paralog of this gene is CBX8.

**Immunogen**

Purified recombinant fragment of human CBX6 (AA: 269-412) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**CBX6 Antibody - Additional Information**

**Gene ID** 23466

**Other Names**

Chromobox protein homolog 6, CBX6

**Dilution**

E~~1/10000

WB~~1/500 - 1/2000

**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**

CBX6 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**CBX6 Antibody - Protein Information**

**Name** CBX6

**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 (PubMed:<a href="http://www.uniprot.org/citations/21282530" target="\_blank">21282530</a>). 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. Possibly contributes to the target selectivity of the PRC1 complex by binding specific regions of chromatin (PubMed:<a href="http://www.uniprot.org/citations/18927235" target="\_blank">18927235</a>). Recruitment to chromatin might occur in an H3K27me3- independent fashion (By similarity). May have a PRC1-independent function in embryonic stem cells (By similarity).

#### **Cellular Location**

Nucleus. Chromosome. Note=Uniformly distributed in the nucleoplasm (PubMed:18927235). Localizes to the inactivated X chromosome in females (By similarity).  
{ECO:0000250|UniProtKB:Q9DBY5, ECO:0000269|PubMed:18927235}

#### **CBX6 Antibody - 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](#)