

**CBX4 Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2074a**

**Specification**

**CBX4 Antibody - Product Information**

Application	<b>E, WB, FC, IHC</b>
Primary Accession	<a href="#">O00257</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG1</b>
Calculated MW	<b>61.4kDa KDa</b>

**Description**

CBX4 (chromobox homolog 4) is a protein-coding gene. Diseases associated with CBX4 include brain cancer. GO annotations related to this gene include chromatin binding and transcription corepressor activity. An important paralog of this gene is CBX8.

**Immunogen**

Purified recombinant fragment of human CBX4 (AA: 397-514) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**CBX4 Antibody - Additional Information**

**Gene ID** 8535

**Other Names**

E3 SUMO-protein ligase CBX4, 6.3.2.-, Chromobox protein homolog 4, Polycomb 2 homolog, Pc2, hPc2, CBX4

**Dilution**

E~~1/10000  
WB~~1/500 - 1/2000  
FC~~1/200 - 1/400  
IHC~~1/200 - 1/1000

**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**

CBX4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**CBX4 Antibody - Protein Information**

**Name** CBX4

**Function**

E3 SUMO-protein ligase which facilitates SUMO1 conjugation by UBE2I (PubMed:<a href="http://www.uniprot.org/citations/12679040" target="\_blank">12679040</a>). Involved in the sumoylation of HNRNPK, a p53/TP53 transcriptional coactivator, hence indirectly regulates p53/TP53 transcriptional activation resulting in p21/CDKN1A expression. Monosumoylates ZNF131 (PubMed:<a href="http://www.uniprot.org/citations/22825850" target="\_blank">22825850</a>).

**Cellular Location**

Nucleus. Nucleus speckle. Note=Localization to nuclear polycomb bodies is required for ZNF131 sumoylation (PubMed:22467880). Localized in distinct foci on chromatin (PubMed:18927235)

**Tissue Location**

Ubiquitous.

**CBX4 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](#)