

**CBX8 Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2267a**

**Specification**

**CBX8 Antibody - Product Information**

Application	<b>E, WB, FC</b>
Primary Accession	<a href="#">O9HC52</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG1</b>
Calculated MW	<b>43.4kDa KDa</b>

**Description**

Chromobox homolog 8 (CBX8), a Polycomb Group protein that interacts with MLL-AF9 and TIP60, plays an essential role in MLL-AF9 transcriptional regulation and leukemogenesis. CBX8, which is part of one of the PRC1 complexes, regulates proliferation of diploid human and mouse fibroblasts through direct binding to the INK4A-ARF locus.

**Immunogen**

Purified recombinant fragment of human CBX8 (AA: 17-222) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**CBX8 Antibody - Additional Information**

**Gene ID** 57332

**Other Names**

Chromobox protein homolog 8, Polycomb 3 homolog, Pc3, hPc3, Rectachrome 1, CBX8, PC3, RC1

**Dilution**

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

**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**

CBX8 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**CBX8 Antibody - Protein Information**

**Name** CBX8

## Synonyms PC3, RC1

### 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.

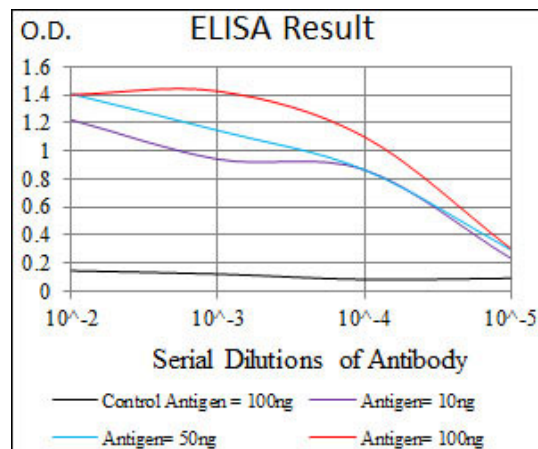
### Cellular Location

Nucleus.

## CBX8 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](#)



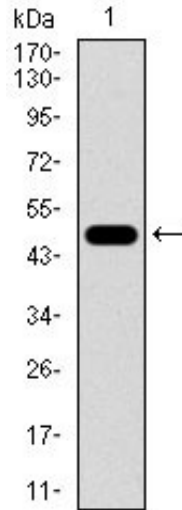


Figure 1: Western blot analysis using CBX8 mAb against human CBX8 recombinant protein. (Expected MW is 49.5 kDa)

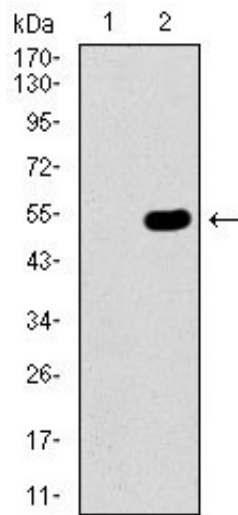


Figure 2: Western blot analysis using CBX8 mAb against HEK293 (1) and CBX8 (AA: 17-222)-hIgGfC transfected HEK293 (2) cell lysate.

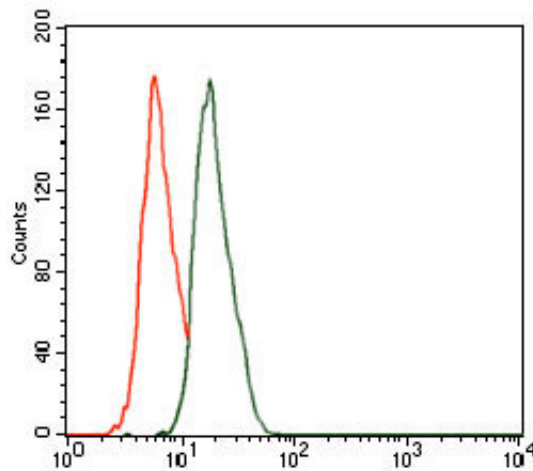


Figure 3: Flow cytometric analysis of HeLa cells using CBX8 mouse mAb (green) and negative control (red).

**CBX8 Antibody - References**

1. Cancer Cell. 2011 Nov 15;20(5):563-75. 2. EMBO J. 2007 Mar 21;26(6):1637-48.