10320 Camino Santa Fe, Suite G
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CBX8 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2267a

Specification

CBX8 Antibody - Product Information

Application	**E, WB, FC**
Primary Accession	Q9HC52
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**43.4kDa KDa**

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

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Synonyms PC3, RC1

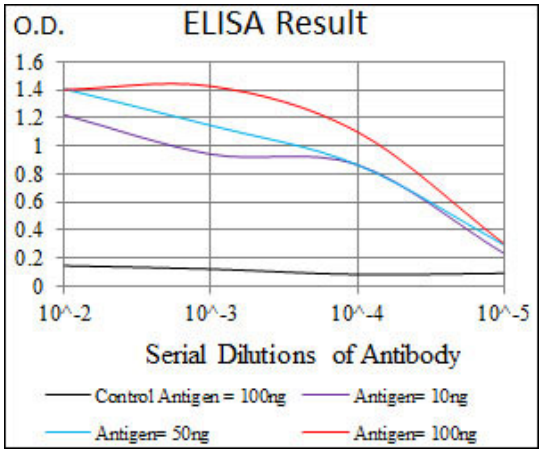
Function
Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates 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 Cytomety
- Cell Culture



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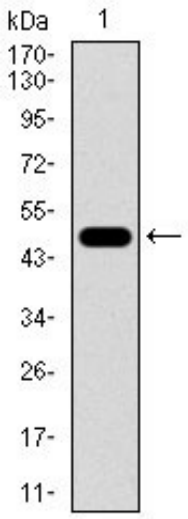

Figure 1: Western blot analysis using CBX8 mAb against human CBX8 recombinant protein. (Expected MW is 49.5 kDa)

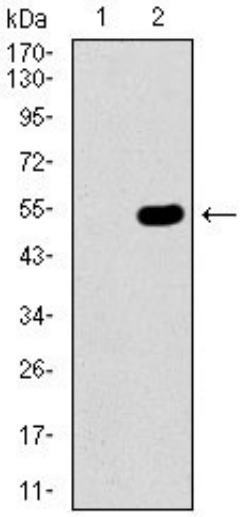

Figure 2: Western blot analysis using CBX8 mAb against HEK293 (1) and CBX8 (AA: 17-222)-hIgGFc transfected HEK293 (2) cell lysate.

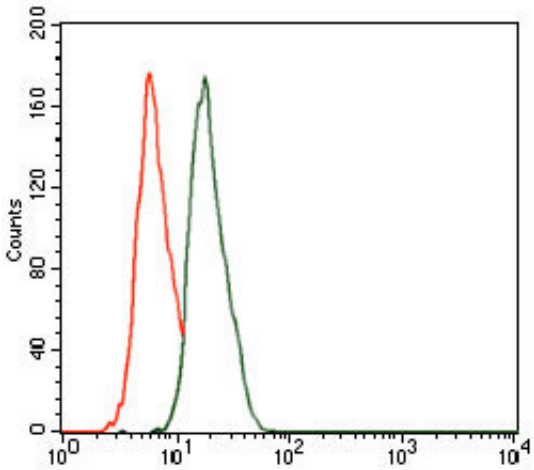

Figure 3: Flow cytometric analysis of HeLa cells using CBX8 mouse mAb (green) and negative control (red).

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CBX8 Antibody - References

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