

## CBX8 Antibody (C-term)

Purified Mouse Monoclonal Antibody (Mab) Catalog # AW5081

## Specification

# CBX8 Antibody (C-term) - Product Information

Application Primary Accession Reactivity	FC, WB,E <u>09HC52</u> Human
Host	Mouse
Clonality	monoclonal
Calculated MW	H=43 KDa
Isotype	lgG1
Antigen Source	HUMAN

# CBX8 Antibody (C-term) - Additional Information

#### Gene ID 57332

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

**Dilution** FC~~1:25 WB~~1:1000

## **Target/Specificity**

This CBX8 antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between amino acids from the C-terminal region of human CBX8.

Format

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage

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

#### Precautions

CBX8 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## CBX8 Antibody (C-term) - 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.

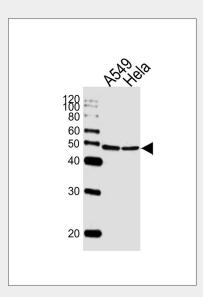
**Cellular Location** Nucleus.

## CBX8 Antibody (C-term) - Protocols

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

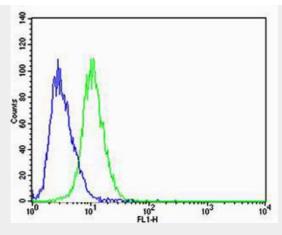
- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

## CBX8 Antibody (C-term) - Images



Western blot analysis of lysates from A549,Hela cell line (from left to right), using CBX8 Antibody (C-term)(Cat. #AW5081). AW5081 was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.





Flow cytometric analysis of A549 cells using CBX8 Antibody (C-term)(green, Cat#AW5081) compared to an isotype control of mouse IgG1(blue). AP20600c was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody.

# CBX8 Antibody (C-term) - Background

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.

# **CBX8 Antibody (C-term) - References**

Bardos J.I., et al.J. Biol. Chem. 275:28785-28792(2000). Michael M.Z., et al.Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases. Ota T., et al.Nat. Genet. 36:40-45(2004). Garcia-Cuellar M.P., et al.Oncogene 20:411-419(2001). Levine S.S., et al.Mol. Cell. Biol. 22:6070-6078(2002).