

**CBX8 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14665C**

**Specification**

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**CBX8 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9HC52</a>
Other Accession	<a href="#">NP_065700.1</a>
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	43396
Antigen Region	161-189

**CBX8 Antibody (Center) - Additional Information**

**Gene ID** 57332

**Other Names**

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

**Target/Specificity**

This CBX8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 161-189 amino acids from the Central region of human CBX8.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**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 (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**CBX8 Antibody (Center) - 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**

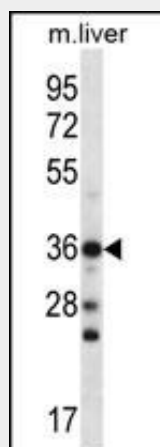
Nucleus.

#### **CBX8 Antibody (Center) - 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](#)

#### **CBX8 Antibody (Center) - Images**



CBX8 Antibody (Center) (Cat. #AP14665c) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the CBX8 antibody detected the CBX8 protein (arrow).

#### **CBX8 Antibody (Center) - Background**

Component of the Polycomb group (PcG) multiprotein PRC1 complex, a complex 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 (Center) - References**

Dietrich, N., et al. EMBO J. 26(6):1637-1648(2007)  
Olsen, J.V., et al. Cell 127(3):635-648(2006)  
Stelzl, U., et al. Cell 122(6):957-968(2005)

Obuse, C., et al. Genes Cells 9(2):105-120(2004)  
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