

**CBX8 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP2515a****Specification**

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**CBX8 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q9HC52](#)**CBX8 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 57332**Other Names**

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

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP2515a](/product/products/AP2515a) was selected from the N-term region of human CBX8. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**CBX8 Antibody (N-term) Blocking Peptide - 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 (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **CBX8 Antibody (N-term) Blocking Peptide - Images**

## **CBX8 Antibody (N-term) Blocking Peptide - Background**

Chromobox homolog 8 (CBX8 or Pc3) is a member of Drosophila Polycomb group gene family. The polycomb group (PcG) genes are essential for maintenance of appropriate expression patterns of developmental master regulators and thus are essential for proper development. Changes in expression of PcG proteins have been associated with cancer. CBX8 is involved in maintaining the transcriptionally repressive state of genes. It modifies chromatin, rendering it heritably changed in its expressibility. Structurally, CBX4 contains 1 chromo domain, which is 40 to 50 amino acids long.

## **CBX8 Antibody (N-term) Blocking Peptide - References**

Ota, T., et al., Nat. Genet. 36(1):40-45 (2004). Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002). Bardos, J.I., et al., J. Biol. Chem. 275(37):28785-28792 (2000).