

CBX7 Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP21163a**Specification**

CBX7 Blocking Peptide (C-term) - Product InformationPrimary Accession [O95931](#)**CBX7 Blocking Peptide (C-term) - Additional Information****Gene ID** 23492**Other Names**

Chromobox protein homolog 7, CBX7

Target/Specificity

The synthetic peptide sequence is selected from aa 168-181 of HUMAN CBX7

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.

CBX7 Blocking Peptide (C-term) - Protein Information**Name** CBX7**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. Promotes histone H3 trimethylation at 'Lys-9' (H3K9me3). Binds to trimethylated lysine residues in histones, and possibly also other proteins. Regulator of cellular lifespan by maintaining the repression of CDKN2A, but not by inducing telomerase activity.

Cellular Location

Nucleus

CBX7 Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

CBX7 Blocking Peptide (C-term) - Images

CBX7 Blocking Peptide (C-term) - Background

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CBX7 Blocking Peptide (C-term) - References

Dunham I., et al. Nature 402:489-495(1999).
Gil J., et al. Nat. Cell Biol. 6:67-72(2004).
Bezsonova I., et al. Biochemistry 48:10542-10548(2009).
Maertens G.N., et al. PLoS ONE 4:E6380-E6380(2009).
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