

CBX2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9605a**Specification**

CBX2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q14781](#)**CBX2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 84733**Other Names**

Chromobox protein homolog 2, CBX2

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.

CBX2 Antibody (N-term) Blocking Peptide - Protein Information**Name** CBX2**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 (PubMed:21282530). 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 (PubMed:21282530). Binds to histone H3 trimethylated at 'Lys-9' (H3K9me3) or at 'Lys-27' (H3K27me3) (By similarity). Plays a role in the lineage differentiation of the germ layers in embryonic development (By similarity). Involved in sexual development, acting as activator of NR5A1 expression (PubMed:19361780).

Cellular Location

Nucleus. Chromosome Note=Localized in distinct foci on chromatin and in chromocenters
Localizes to the inactive X chromosome. Seems to be recruited to H3K27me3, H3K9ac and H3K3me2 sites on chromatin

CBX2 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CBX2 Antibody (N-term) Blocking Peptide - Images

CBX2 Antibody (N-term) Blocking Peptide - Background

CBX2 is a component of the polycomb multiprotein complex, which is required to maintain the transcriptionally repressive state of many genes throughout development via chromatin remodeling and modification of histones.

CBX2 Antibody (N-term) Blocking Peptide - References

Katoh-Fukui, Y., et al. Nature 393(6686):688-692(1998)Gecz, J., et al. Genomics 26(1):130-133(1995)Pearce, J.J., et al. Development 114(4):921-929(1992)Paro, R., et al. Proc. Natl. Acad. Sci. U.S.A. 88(1):263-267(1991)