

CBX6 and CBX8 Antibody (N-Term)
Peptide-affinity purified goat antibody
Catalog # AF2306a**Specification**

CBX6 and CBX8 Antibody (N-Term) - Product Information

Application	E
Primary Accession	O95503
Other Accession	NP_055107.3 , NP_065700.1 , 23466 , 57332
Predicted	Human, Mouse, Rat, Pig, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	43898

CBX6 and CBX8 Antibody (N-Term) - Additional Information**Gene ID** 23466**Other Names**

Chromobox protein homolog 6, CBX6

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CBX6 and CBX8 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

CBX6 and CBX8 Antibody (N-Term) - Protein Information**Name** CBX6**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. Possibly contributes to the target selectivity of the PRC1 complex by binding specific regions of chromatin (PubMed:18927235). Recruitment

to chromatin might occur in an H3K27me3- independent fashion (By similarity). May have a PRC1-independent function in embryonic stem cells (By similarity).

Cellular Location

Nucleus. Chromosome. Note=Uniformly distributed in the nucleoplasm (PubMed:18927235).

Localizes to the inactivated X chromosome in females (By similarity).

{ECO:0000250|UniProtKB:Q9DBY5, ECO:0000269|PubMed:18927235}

CBX6 and CBX8 Antibody (N-Term) - 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](#)

CBX6 and CBX8 Antibody (N-Term) - Images**CBX6 and CBX8 Antibody (N-Term) - Background**

This antibody is expected to recognise both the human proteins CBX6 and CBX8, which are almost identical.

CBX6 and CBX8 Antibody (N-Term) - References

HPC3 is a new human polycomb orthologue that interacts and associates with RING1 and Bmi1 and has transcriptional repression properties. Bardos JI, Saurin AJ, Tissot C, Duprez E, Freemont PS. J Biol Chem. 2000 Sep 15;275(37):28785-92. PMID: 10825164