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CBX6 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO2075a

Product Information

Application	WB, E
Primary Accession	O95503
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	8D10A3
Isotype	IgG1
Calculated MW	43898
Description	CBX6 (chromobox homolog 6) is a protein-coding gene. GO annotations related to this gene include single-stranded RNA binding. An important paralog of this gene is CBX8.
Immunogen	Purified recombinant fragment of human CBX6 (AA: 269-412) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	23466
Other Names	Chromobox protein homolog 6, CBX6
Dilution	WB~~1/500 - 1/2000 E~~1/10000
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 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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=Uniformely distributed in the nucleoplasm (PubMed:18927235). Localizes to the inactivated X chromosome in females (By similarity). {ECO:0000250|UniProtKB:Q9DBY5, ECO:0000269|PubMed:18927235}

References

1.J Biol Chem. 2011 Jan 7;286(1):521-9.

Images

