CBX6 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CBX6, Monoclonal Antibody
Full Product Name	Mouse Monoclonal Antibody to CBX6
Product Gene Name	anti-CBX6 antibody
Clonality	Monoclonal
Isotype	IgG1
Clone Number	8D10A3
Host	Mouse
Molecular Weight	43.9kDa
OMIM	617438
3D Structure	ModBase 3D Structure for O95503
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CBX6 antibody	Western Blot (WB)
Application Notes for anti-CBX6 antibody	Western blot using Recombinant protein Western blot using Transfection expressed protein
Related Product Information for anti-CBX6 antibody	MBS8528287 is an antibody targeting CBX6. Also known as Mouse Monoclonal Antibody to CBX6. Host: Mouse.
Other Notes	Small volumes of anti-CBX6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CBX6. It may not necessarily be applicable to this product.

NCBI GI #	745399100
NCBI GeneID	23466
NCBI Accession #	NP_001290423.1
UniProt Primary Accession #	O95503
UniProt Secondary Accession #	Q96EM5; A8KAH0
UniProt Related Accession #	O95503
GenBank Nucleotide #	NM_001303494.1
NCBI Official Full Name	chromobox protein homolog 6 isoform 2
NCBI Official Synonym Full Names	chromobox 6
NCBI Official Symbol	CBX6
UniProt Protein Name	Chromobox protein homolog 6

Protein Family	Chromobox protein
UniProt Gene Name	CBX6
NCBI Protein Information	chromobox protein homolog 6
UniProt Comments for CBX6	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 (). May have a PRC1-independent function in embryonic stem cells ().
Research Articles on CBX6	**1.** Data show that USP26 interacts with PRC1 components chromobox (CBX)-containing proteins CBX4 and CBX6.
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