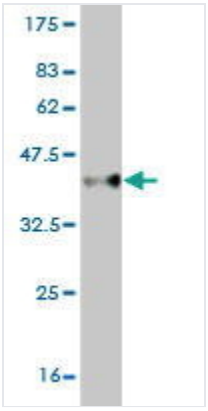
CBX2 Antibody – Mouse Monoclonal

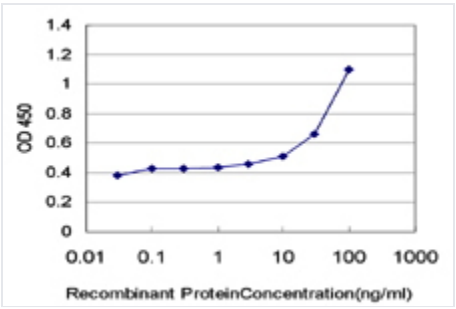
PRODUCT OVERVIEW

Product Name	CBX2, Monoclonal Antibody
Full Product Name	CBX2 (Chromobox Protein Homolog 2, CDCA6, M33, MGC10561) (Biotin)
Product Gene Name	anti-CBX2 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3E2
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human CBX2.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor 20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can b made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	23,312 Da
OMIM	602770
3D Structure	ModBase 3D Structure for Q14781
Immunogen	Partial recombinant corresponding to aa66-165 from human CBX2 with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	EVQNRKRGKRPRGRPRKLTAMSSCSRRSKLKVGGCAGYADPTSQHPLGVGGRQREGLGPSGRGWHFCQQSVPLLGKQEPPFFLSLSFCCQGPQPAE
Conjugate	Biotin
Product Categories/Family for anti-CBX2 antibody	Antibodies; Cell Division Cycle (CDC)
Applications Tested/Suitable for anti-CBX2 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-CBX2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CBX2 antibody	Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of n 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. Involved in sexual development, acting as activ of NR5A1 expression.

Other Notes	Small volumes of anti-CBX2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa 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 add dry ice fee may apply.
Searchable Terms for CBX2 purchase	MBS6140992 is an antibody targeting CBX2. Also known as CBX2 (Chromobox Protein Homolog 2, CDCA6, M33, MGC10561) (Biotin). Reactive in Hu Host: Mouse.



Western Blot (WB) of anti-CBX2 antibody
Western Blot detection against Immunogen using 124403 (37.11kD).



Testing Data of anti-CBX2 antibody
Detection limit for recombinant GST tagged CBX2 is ~3ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CBX2. It may not necessarily be applicable to this product.

NCBI GI #	14249190
NCBI GeneID	84733
NCBI Accession #	NP_116036
UniProt Primary Accession #	Q14781
UniProt Secondary Accession #	Q0VDA5; Q9BTB1
UniProt Related Accession #	Q14781
GenBank Nucleotide #	NM_032647
NCBI Official Full Name	chromobox protein homolog 2 isoform 2
NCBI Official Synonym Full Names	chromobox homolog 2
NCBI Official Symbol	CBX2
NCBI Official Synonym Symbols	M33; CDCA6; SRXY5
UniProt Protein Name	Chromobox protein homolog 2
Protein Family	Chromobox protein
UniProt Gene Name	CBX2
UniProt Entry Name	CBX2_HUMAN
NCBI Protein Information	chromobox protein homolog 2; Pc class homolog; cell division cycle associated 6; chromobox homolog 2 (Pc class homolog, Drosophila); modifier 3
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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