

Mouse CBX1 Antibody | anti-CBX1 antibody

CBX1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108807	Mouse	Human, Monkey	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

CBX1; CBX1 Antibody; CBX; M31; MOD1; p25beta; HP1-BETA; HP1Hsbeta; HP1Hs-beta; anti-CBX1 antibody

PRODUCT SPECIFICATIONS

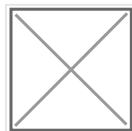
Host	Mouse
Reactivity	Human, Monkey
Isotype	IgG1
Clone Number	5A3
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	185
Applicable Applications for anti-CBX1 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Purified recombinant fragment of human CBX1 expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C

IMAGES



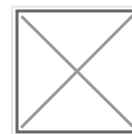
FCM/FACS (Flow Cytometry)

Figure 3: Flow cytometric analysis of COS7 cells using CBX1 mouse mAb (green) and negative control (purple).



WB (Western Blot)

Figure 1: Western blot analysis using CBX1 mouse mAb against HeLa (1), COS7 (2), NIH/3T3 (3), A431 (4), and C6 (5) cell lysate.



IF (Immunofluorescence)

Figure 2: Immunofluorescence analysis of HeLa cells using CBX1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.

ADDITIONAL INFORMATION

Related Product Information for anti-CBX1 antibody

This gene encodes a highly conserved nonhistone protein, which is a member of the heterochromatin protein family. The protein is enriched in the heterochromatin and associated with centromeres. The protein has a single N-terminal chromodomain which can bind to histone proteins via methylated lysine residues, and a C-terminal chromo shadow-domain (CSD) which is responsible for the homodimerization and interaction with a number of chromatin-associated nonhistone proteins. The protein may play an important role in the epigenetic control of chromatin structure and gene expression. Several related pseudogenes are located on chromosomes 1, 3, and X. Multiple alternatively spliced variants, encoding the same protein, have been identified.

Product Categories/Family for anti-CBX1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
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NCBI AND UNIPROT INFORMATION

NCBI GI #	187960037
NCBI GeneID	10951
NCBI Accession #	NP_001120700.1
NCBI GenBank Nucleotide #	NM_001127228.1
UniProt Accession #	P83916; P23197
Molecular Weight	21kDa
NCBI Official Full Name	chromobox protein homolog 1
NCBI Official Synonym Full Names	chromobox 1
NCBI Official Symbol	CBX1
NCBI Official Synonym Symbols	CBX; M31; MOD1; p25beta; HP1-BETA; HP1Hsbeta; HP1Hs-beta
NCBI Protein Information	chromobox protein homolog 1
UniProt Protein Name	Chromobox protein homolog 1
UniProt Gene Name	CBX1
UniProt Synonym Gene Names	CBX; HP1 beta

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-human-monkey-antibody/cbx1/108807>