

Rabbit CBX1 Polyclonal Antibody | anti-CBX1 antibody

CBX1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284973	Rabbit	Human (Predicted Reactivity: Mouse)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

CBX1; Polyclonal Antibody; CBX1 Antibody (C-term); Chromobox protein homolog 1; HP1Hsbeta; Heterochromatin protein 1 homolog beta; HP1 beta; Heterochromatin protein p25; M31; Modifier 1 protein; p25beta; CBX; anti-CBX1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CBX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 128-155 amino acids from the C-terminal region of human CBX1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	128-155
Sequence Length	185
Applicable Applications for anti-CBX1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

CBX1 Antibody (C-term) flow cytometric analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

CBX1 Antibody (C-term) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CBX1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of CBX1 Antibody (C-term) in MCF-7, A2058, Y79 cell line lysates (35ug/lane). CBX1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CBX1 antibody	CBX1 is 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.
References	Aagaard,L., et.al., EMBO J. 18 (7), 1923-1938 (1999)

NCBI AND UNIPROT INFORMATION

NCBI GI #	187960037
NCBI GeneID	10951
NCBI Accession #	NP_001120700.1; NP_006798.1
NCBI GenBank Nucleotide #	NM_001127228.1
UniProt Accession #	P83916; P23197
Molecular Weight	21418
NCBI Official Full Name	chromobox protein homolog 1
NCBI Official Synonym Full Names	chromobox homolog 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
UniProt Entry Name	CBX1_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cbx1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/284973>