

Human anti-Human CBX5 Monoclonal Antibody | anti-CBX5 antibody

Anti-CBX5 [RAB-C133]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72202	Human	Human	Chromatin Immunoprecipitation, Immunoprecipitation, Immunoprecipitation, ELISA

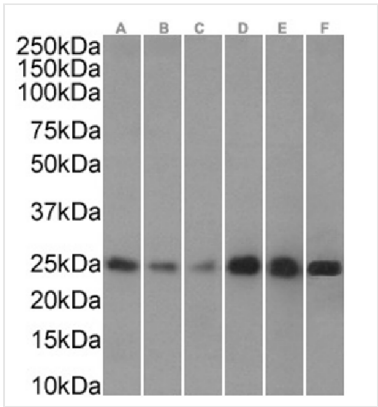
PRODUCT SYNONYMS

CBX5; Monoclonal Antibody; Anti-CBX5 [RAB-C133]; p25; Chromobox protein homolog 5; Heterochromatin protein 1 homolog alpha; HP1 alpha; anti-CBX5-RAB-C133; 41D2_35; anti-CBX5 antibody

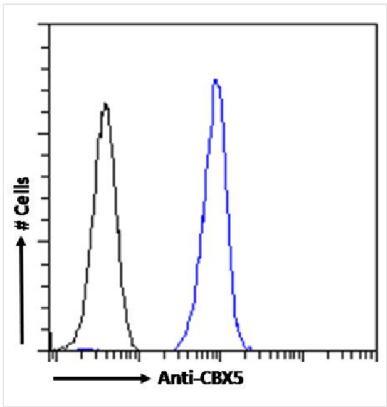
PRODUCT SPECIFICATIONS

Host	Human
Reactivity	Human
Clonality	Monoclonal
Isotype	Human Fab fragment, kappa
Clone Number	RAB-C133
Specificity	This antibody recognizes CBX5 (Chromobox protein homolog 5). It binds to a folded domain, amino acids 18-75. CBX5 is a component of heterochromatin that recognizes and binds histone H3 tails methylated at 'Lys-9' (H3K9me), leading to epigenetic repression.
Purity/Purification	Purified antibody. Purified by Immobilized Metal Affinity Chromatography
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CBX5 antibody	MS (Mass Spectrometry), ChIP (Chromatin immunoprecipitation), IP (Immunoprecipitation), ELISA
Heavy Chain Modification	His-Tagged
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



WB (Western Blot)
Western Blot using anti-CBX5 antibody RAB-C133 (AAA72202). Nuclear lysates of HeLa(A), HEK293(B), A431(C), MCF7(D), Jurkat(E) and K562(F) cells (35ug protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of RAB-C133 at 0.003ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.



FCM/FACS (Flow Cytometry)
Flow cytometry using the Anti-CBX5 antibody RAB-C133 (AAA72202). Paraformaldehyde fixed HeLa cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody or the rabbit IgG version of RAB-C133 at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for anti-CBX5 antibody	Recombinant monoclonal antibody to CBX5. Recombinant Platform with variable regions (i.e. specificity) from the phage display antibody RAB-C133. This antibody was obtained by recombinant antibody (rAb) phage display recognizing CBX5 protein under non-denaturing conditions.
Product Categories/Family for anti-CBX5 antibody	immunology; cancer; cell biology
References	N/A Note on publication: More information on this antibody can be found on the website of the Recombinant Antibody Network.

NCBI AND UNIPROT INFORMATION

NCBI GI #	188035908
NCBI GeneID	23468
NCBI Accession #	NP_001120793.1
NCBI GenBank Nucleotide #	NM_001127321.1
UniProt Accession #	P45973; B2R8T9
Molecular Weight	22,225 Da
NCBI Official Full Name	chromobox protein homolog 5
NCBI Official Synonym Full Names	chromobox homolog 5
NCBI Official Symbol	CBX5
NCBI Official Synonym Symbols	HP1; HP1A
NCBI Protein Information	chromobox protein homolog 5; HP1-ALPHA; HP1Hs alpha; antigen p25; HP1 alpha homolog; heterochromatin protein 1-alpha; heterochromatin protein 1 homolog alpha; chromobox homolog 5 (HP1 alpha homolog, Drosophila)
UniProt Protein Name	Chromobox protein homolog 5
UniProt Gene Name	CBX5
UniProt Synonym Gene Names	HP1A; HP1 alpha

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/monoclonal/cbx5-antibody-clone-rab-c133-mass-spectrometry-chromatin-immunoprecipitation-immunoprecipitation-elisa/72202>