

Rabbit anti-Human CBX2 Polyclonal Antibody | anti-CBX2 antibody

Rabbit anti-CBX2 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211909	Rabbit	Human	Chromatin Immunoprecipitation, Immunoprecipitation, Immunoprecipitation

PRODUCT SYNONYMS

CBX2; Polyclonal Antibody; Rabbit anti-CBX2 Antibody; Affinity Purified; modifier 3; Pc class homolog; M33; chromobox protein homolog 2; chromobox homolog 2 (Pc class homolog; Drosophila); cell division cycle associated 6; CDCA6; SRXY5; Chromobox protein homolog 2; chromobox 2; anti-CBX2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-CBX2 antibody	ChIP (Chromatin immunoprecipitation), IP (Immunoprecipitation)
Predicted Reactivity	Mouse
Immunogen	Between 482 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



IP (Immunoprecipitation)

Detection of human CBX2 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-CBX2 antibody AAA211909 (lot AAA211909-4) used for IP at 6 ug per reaction. CBX2 was also immunoprecipitated by a previous lot of this antibody (lot AAA211909-3). For blotting immunoprecipitated CBX2, AAA211909 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



ChIP (Chromatin Immunoprecipitation)

Localization of CBX2 Binding Sites by ChIP-sequencing. Chromatin from K562 cells was immunoprecipitated with anti-CBX2 antibody AAA211909 and analyzed by DNA sequencing. The figure illustrates the peak distribution of CBX2 binding within a 1.5 Mb region of chromosome 1 as detected using anti-CBX2 antibody AAA211909. ChIP-seq validation performed by Diagenode, Denville, NJ.

ADDITIONAL INFORMATION

Related Product Information for anti-CBX2 antibody	Chromobox protein homolog 2 is a component of the polycomb group (PcG) multiprotein PRC1 complex, a complex required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/P19474].
Product Categories/Family for anti-CBX2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	61743963
NCBI GeneID	84733
NCBI Accession #	NP_005180.1
NCBI GenBank Nucleotide #	NM_005189.2
UniProt Accession #	Q14781; Q0VDA5; Q9BTB1
Molecular Weight	532
NCBI Official Full Name	chromobox protein homolog 2 isoform 1
NCBI Official Synonym Full Names	chromobox homolog 2
NCBI Official Symbol	CBX2
NCBI Official Synonym Symbols	M33; CDCA6; SRXY5
NCBI Protein Information	chromobox protein homolog 2; modifier 3; Pc class homolog; cell division cycle associated 6; chromobox homolog 2 (Pc class homolog, Drosophila)
UniProt Protein Name	Chromobox protein homolog 2
UniProt Gene Name	CBX2
UniProt Entry Name	CBX2_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cbx2-antibody-chromatin-immunoprecipitation-immunoprecipitation-elisa/211909>