

Rabbit anti-Human CBX8 Polyclonal Antibody | anti-CBX8 antibody

Rabbit anti-CBX8 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211197	Rabbit	Human	Chromatin Immunoprecipitation, Immunoprecipitation, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

CBX8; Polyclonal Antibody; Rabbit anti-CBX8 Antibody; Affinity Purified; Pc class 3 homolog; RC1; Polycomb 3 homolog; rectachrome 1; hPc3; chromobox protein homolog 8; chromobox homolog 8 (Pc class homolog; Drosophila); polycomb 3; PC3; Chromobox protein homolog 8; chromobox 8; anti-CBX8 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-CBX8 antibody	ChIP (Chromatin immunoprecipitation), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Mouse
Immunogen	Between 339 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human CBX8 by western blot. Samples: Whole cell lysate (50 ug) from HeLa and HEK293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CBX8 antibody AAA211197 (lot AAA211197-2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human CBX8 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-CBX8 antibody AAA211197 (lot AAA211197-2) used for IP at 6 ug per reaction. CBX8 was also immunoprecipitated by rabbit anti-CBX8 antibody BL3751. For blotting immunoprecipitated CBX8, AAA211197 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



ChIP (Chromatin Immunoprecipitation)

Localization of CBX8 Binding Sites by ChIP-sequencing. Chromatin from K562 cells was immunoprecipitated with anti-CBX8 antibody AAA211197 and analyzed by DNA sequencing. The figure illustrates the peak distribution of CBX8 binding within a 4 Mb region of chromosome 1 as detected using anti-CBX8 antibody AAA211197. ChIP-seq validation performed by Diogenode, Denville, NJ.

ADDITIONAL INFORMATION

Related Product Information for anti-CBX8 antibody	CBX8 is part of the polycomb group of proteins that are important in embryogenesis and human tumorigenesis and regulates a number of genes involved in cell growth and survival. There are at least 5 CBX proteins in mammals. CBX proteins associate with the core polycomb repressive complex 1 (PRC1) that functions to maintain the transcriptionally repressive state of genes during development.
Product Categories/Family for anti-CBX8 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	10190682
NCBI GeneID	57332
NCBI Accession #	NP_065700.1
NCBI GenBank Nucleotide #	NM_020649.2
UniProt Accession #	Q9HC52; Q96H39; Q9NR07
Molecular Weight	43,396 Da
NCBI Official Full Name	chromobox protein homolog 8
NCBI Official Synonym Full Names	chromobox 8
NCBI Official Symbol	CBX8
NCBI Official Synonym Symbols	PC3; RC1
NCBI Protein Information	chromobox protein homolog 8
UniProt Protein Name	Chromobox protein homolog 8
UniProt Gene Name	CBX8
UniProt Synonym Gene Names	PC3; RC1; Pc3; hPc3
UniProt Entry Name	CBX8_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/cbx8-antibody-chromatin-immunoprecipitation-immunoprecipitation-western-blot-elisa/211197>