

Rabbit cbx7 Polyclonal Antibody | anti-CBX7 antibody

cbx7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31176	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(88%), Xenopus(100%)	Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

cbx7; Polyclonal Antibody; cbx7 Antibody; Cbx 7; CBX7; Chromobox homolog 7; Chromobox protein homolog 7; anti-CBX7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(88%), Xenopus(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	cbx7 Antibody detects endogenous levels of total cbx7.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	251
Applicable Applications for anti-CBX7 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	IF: 1:100-1:500 ICC: 1:100-1:500 WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human cbx7, corresponding to a region within N-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA31176 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31176 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



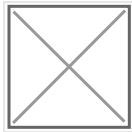
IHC (Immunohistochemistry-Paraffin)

AAA31176 at 1/100 staining Human kidney cancer and adjacent normal tissues by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31176 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31176 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31176 at 1/100 staining Rat testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using cbx7 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CBX7 antibody	Function: Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility. Promotes histone H3 trimethylation at 'Lys-9' (H3K9me3). Binds to trimethylated lysine residues in histones, and possibly also other proteins. Regulator of cellular lifespan by maintaining the repression of CDKN2A, but not by inducing telomerase activity.
	Subcellular Location: Nucleus.
	Subunit Structure: Component of a PRC1-like complex. Interacts with RING1 and RNF2/RING1B, but not with BMI1, EED or EZH2. Interacts with PCGF1, PCGF2, PCGF3, PCGF5 and PCGF6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	28372505
NCBI GeneID	23492
NCBI Accession #	NP_783640
NCBI GenBank Nucleotide #	NP_783640.1
UniProt Accession #	O95931
Molecular Weight	Observed Molecular Weight: (Observed)28kD. Predicted Molecular Weight: (Calculated)28kDa.

NCBI Official Full Name	chromobox protein homolog 7 isoform 1
NCBI Official Synonym Full Names	chromobox 7
NCBI Official Symbol	CBX7
NCBI Protein Information	chromobox protein homolog 7
UniProt Protein Name	Chromobox protein homolog 7
UniProt Gene Name	CBX7
UniProt Entry Name	CBX7_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/cbx7-antibody-immunofluorescence-immunocytochemistry-elisa/31176>