

Rabbit anti-Human, mouse PC2 (CBX4) Polyclonal Antibody | anti-CBX4 antibody

PC2 (CBX4) Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286672	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

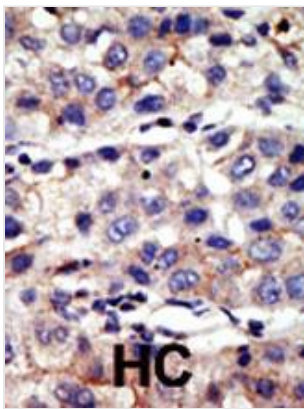
PRODUCT SYNONYMS

PC2 (CBX4); Polyclonal Antibody; PC2 (CBX4) Antibody (N-term); E3 SUMO-protein ligase CBX4; 632-; Chromobox protein homolog 4; Polycomb 2 homolog; Pc2; hPc2; CBX4; anti-CBX4 antibody

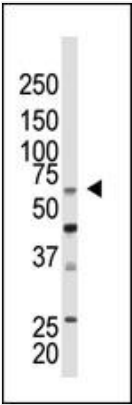
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PC2 (CBX4) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 80-110 amino acids from the N-terminal region of human PC2 (CBX4).
Purity/Purification	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	80-110
Sequence Length	290
Applicable Applications for anti-CBX4 antibody	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



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
The anti-CBX4 N-term Pab is used in Western blot to detect CBX4 in mouse kidney tissue lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-CBX4 antibody	CBX4 is a member of Drosophila Polycomb group gene family. The polycomb group (PcG) genes are essential for maintenance of proper expression patterns of developmental master regulators; changes in expression pf PcG proteins have been associated with cancer. CBX4 is a part of the cellular memory system responsible for the inheritance of gene activity by progeny cells. It participates in maintaining the transcriptionally repressive state of genes. CBX4 is part of acomplex that acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility. CBX4 is an E3 SUMO-protein ligase which facilitates SUMO1 conjugation by UBE2I.
References	Kagey, M.H., et al., Cell 113(1):127-137 (2003). Satijn, D.P., et al., Mol. Cell. Biol. 17(10):6076-6086 (1997).

NCBI AND UNIPROT INFORMATION

NCBI GI #	55770830
NCBI GeneID	8535
NCBI Accession #	NP_003646.2
NCBI GenBank Nucleotide #	NM_003655.2
UniProt Accession #	O00257; Q6TPI8; Q96C04; B1PJR7
Molecular Weight	61368
NCBI Official Full Name	E3 SUMO-protein ligase CBX4
NCBI Official Synonym Full Names	chromobox homolog 4
NCBI Official Symbol	CBX4
NCBI Official Synonym Symbols	PC2; NBP16
NCBI Protein Information	E3 SUMO-protein ligase CBX4
UniProt Protein Name	E3 SUMO-protein ligase CBX4
UniProt Gene Name	CBX4
UniProt Synonym Gene Names	Pc2; hPc2
UniProt Entry Name	CBX4_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/pc2-cbx4-antibody-immunohistochemistry-western-blot-elisa/286672>