

Rabbit CBX4 Polyclonal Antibody | anti-CBX4 antibody

CBX4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39354	Rabbit	Human, Mouse, Rat	Immunofluorescence, Western Blot, ELISA

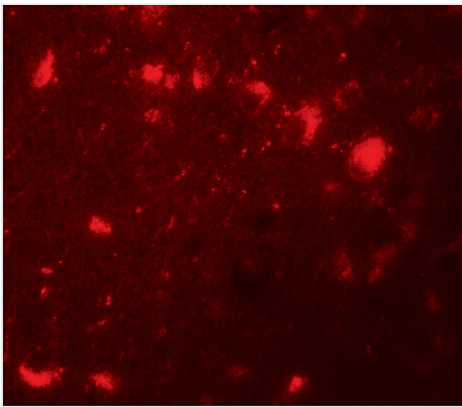
PRODUCT SYNONYMS

CBX4; Polyclonal Antibody; CBX4 Antibody; PC2; NBP16; E3 SUMO-protein ligase CBX4; Chromobox protein homolog 4; Pc2; chromobox homolog 4; anti-CBX4 antibody

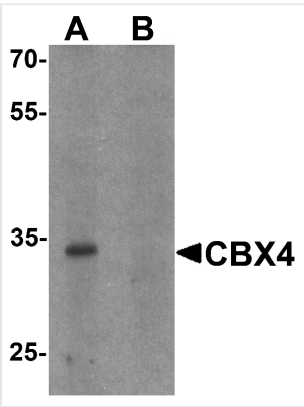
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Two alternatively spliced transcript variants have been observed.
Purity/Purification	CBX4 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	560
Applicable Applications for anti-CBX4 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	CBX4 antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of human CBX4.
Buffer	CBX4 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	CBX4 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of CBX4 in human brain tissue with CBX4 antibody at 20 μg/mL.



WB (Western Blot)
Western blot analysis of CBX4 in human brain tissue lysate with CBX4 antibody at 1 μg/ml in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CBX4 antibody	CBX4 Antibody: Polycomb group (PcG) proteins are chromatin-associated proteins which are important for embryonic and adult stem cell self-renewal and maintenance. At least two distinct human PcG complexes have been identified. Polycomb repressive complex I (PRC1) contains CBX4/Pc2, HPH1 and RING domain-containing proteins (RING1, RING2 and BMI1). CBX4 (Chromobox protein homolog 4 or PC2), which functions as a transcriptional suppressor, is a candidate of KyoT2-binding proteins. It is a E3 SUMO-protein ligase which facilitates SUMO1 conjugation. Depletion of CBX4 results in decreased cellular resistance to ionizing radiation. CBX4 is directly involved in the cellular response to DNA damage.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55770830
NCBI GeneID	8535
NCBI Accession #	NP_003646
NCBI GenBank Nucleotide #	NM_003655.2
UniProt Accession #	O00257; Q6TPI8; Q96C04; B1PJR7
Molecular Weight	62 kDa
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; Pc class 2 homolog; polycomb 2 homolog; NS5ATP1-binding protein 16; chromobox protein homolog 4; chromobox homolog 4 (Pc class homolog, Drosophila)
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.

