

CBX4 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10003**Specification**

CBX4 antibody - N-terminal region - Product Information

Application	IHC, WB
Primary Accession	O00257
Other Accession	O00257-2 , NP_003646 , NM_003655
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Bovine
Predicted	Human, Mouse, Rabbit, Pig, Chicken, Dog, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61 kDa KDa

CBX4 antibody - N-terminal region - Additional Information**Gene ID** 8535**Alias Symbol** **PC2, NBP16****Other Names**

E3 SUMO-protein ligase CBX4, 632-, Chromobox protein homolog 4, Polycomb 2 homolog, Pc2, hPc2, CBX4

Target/Specificity

The polycomb group (PcG) protein HPC2, which functions as a transcriptional suppressor, is a candidate of KyoT2-binding proteins. Pc2 dramatically enhances CtBP sumoylation. Pc2 is a SUMO E3, and Polycomb Group bodies may be sumoylation centers.

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-CBX4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

CBX4 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

CBX4 antibody - N-terminal region - Protein Information**Name** CBX4**Function**

E3 SUMO-protein ligase which facilitates SUMO1 conjugation by UBE2I (PubMed:12679040). Involved in the sumoylation of HNRNPK, a p53/TP53 transcriptional coactivator, hence indirectly regulates p53/TP53 transcriptional activation resulting in p21/CDKN1A expression. Monosumoylates ZNF131 (PubMed:22825850).

Cellular Location

Nucleus. Nucleus speckle. Note=Localization to nuclear polycomb bodies is required for ZNF131 sumoylation (PubMed:22467880). Localized in distinct foci on chromatin (PubMed:18927235)

Tissue Location

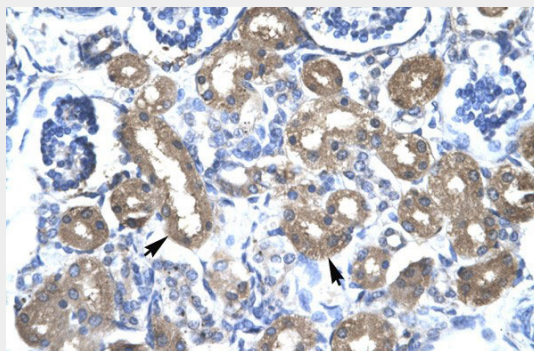
Ubiquitous.

CBX4 antibody - N-terminal region - Protocols

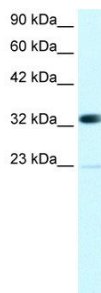
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CBX4 antibody - N-terminal region - Images



CBX4 antibody - N-terminal region (AI10003) in Human kidney cells using Immunohistochemistry
Rabbit Anti-CBX 4 Antibody
Paraffin Embedded Tissue: Human Kidney
Cellular Data: Epithelial cells of renal tubule
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X



CBX4 antibody - N-terminal region (AI10003) in Human Jurkat cells using Western Blot
WB Suggested Anti-CBX4 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:1562500
Positive Control: Jurkat cell lysate
CBX4 is supported by BioGPS gene expression data to be expressed in Jurkat

CBX4 antibody - N-terminal region - Background

This is a rabbit polyclonal antibody against CBX4. It was validated on Western Blot and immunohistochemistry by Abgent. At Abgent we manufacture rabbit polyclonal antibodies on a large scale (200-1000 products/month) of high throughput manner. Our antibodies are peptide based and protein family oriented. We usually provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).