

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

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**CBX4 antibody - N-terminal region - Product Information**

Application	IHC, WB
Primary Accession	<a href="#">O00257</a>
Other Accession	<a href="#">O00257-2</a> , <a href="#">NP_003646</a> , <a href="#">NM_003655</a>
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:<a

<http://www.uniprot.org/citations/12679040> target="\_blank">12679040</a>). 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:<a href="http://www.uniprot.org/citations/22825850" target="\_blank">22825850</a>).

#### 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

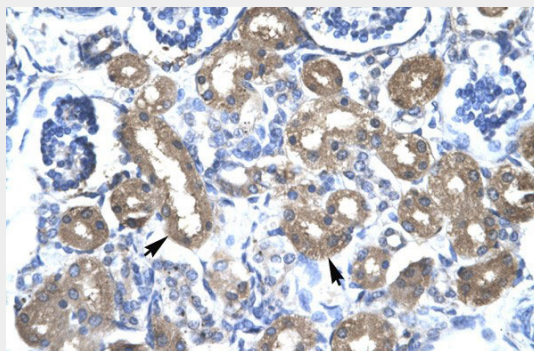
Ubiquitous.

### CBX4 antibody - N-terminal region - Protocols

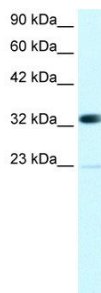
Provided below are standard protocols that you may find useful for product applications.

- [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](mailto:sales@abgent.com)).