10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

CBX4 antibody - N-terminal region - Product Information

Application	**WB, IHC**
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 that catalyzes sumoylation of target proteins by promoting the transfer of

SUMO from the E2 enzyme to the substrate (PubMed:12679040, PubMed:22825850). 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)

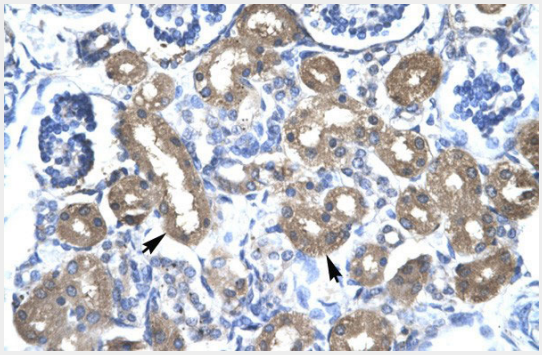
Tissue Location
Ubiquitous.

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 Cytomety
- 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

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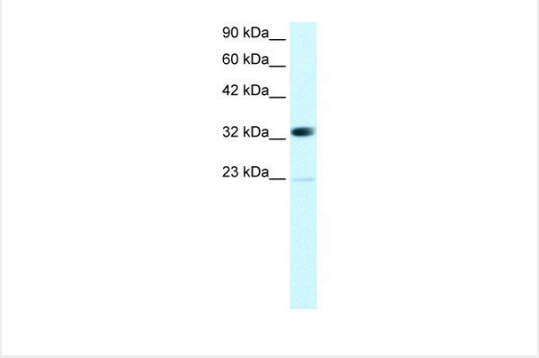

CBX4 antibody - N-terminal region (AI10003) in Human Jurkat cells using Western Blot
WB Suggested Anti-CBX4 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:1562500
Positive Control: Jurkat cell lysate
CBX4 is supported by BioGPS gene expression data to be expressed in Jurkat

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).