



[Go to Product page](#)

Datasheet for ABIN2559520  
**anti-CBX4 antibody (AA 401-500)**

1 Image

1 Publication

### Overview

Quantity:	100 µL
Target:	CBX4
Binding Specificity:	AA 401-500
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CBX4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CBX4
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Sheep,Pig,Horse
Purification:	Purified by Protein A.

### Target Details

Target:	CBX4
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## Target Details

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Alternative Name: [CBX4 \(CBX4 Products\)](#)

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Background: Synonyms: PC2, NBP16, E3 SUMO-protein ligase CBX4, Chromobox protein homolog 4, Polycomb 2 homolog, hPc2, CBX4

Background: E3 SUMO-protein ligase which facilitates SUMO1 conjugation by UBE2I. 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. Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones, it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility.

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Gene ID: 8535

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UniProt: [000257](#)

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## Application Details

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Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200  
ICC 1:100-500

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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## Handling

Storage: 4 °C,-20 °C

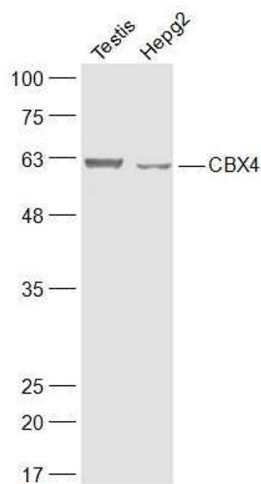
Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

## Publications

Product cited in: Han, Wang, Li, Dong, Zhang, Yan: "HIF-1 $\alpha$  SUMOylation affects the stability and transcriptional activity of HIF-1 $\alpha$  in human lens epithelial cells." in: **Graefe's archive for clinical and experimental ophthalmology**, Vol. 253, Issue 8, pp. 1279-90, (2015) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** Lane 1: Mouse testis lysates Lane 2: Human HepG2 lysates probed with CBX4 Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.