



Datasheet for ABIN389087  
**anti-CBX4 antibody (C-Term)**



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### Overview

Quantity:	400 µL
Target:	CBX4
Binding Specificity:	AA 410-437, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CBX4 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	This CBX4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 410-437 amino acids from the C-terminal region of human CBX4.
Clone:	RB2934
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

### Target Details

Target:	CBX4
Alternative Name:	CBX4 ( <a href="#">CBX4 Products</a> )

## Target Details

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**Background:** Chromobox homolog 4 (CBX4 or Pc2) is a member of Drosophila Polycomb group gene family. The polycomb group (PcG) genes are essential for maintenance of appropriate expression patterns of developmental master regulators and thus are essential for proper development. Changes in expression of PcG proteins have been associated with cancer. CBX4 is a part of the cellular memory system that is responsible for the inheritance of gene activity by progeny cells. CBX4 is involved in maintaining the transcriptionally repressive state of genes. It modifies chromatin, rendering it heritably changed in its expressibility. Structurally, CBX4 contains 1 chromo domain. It was reported that Pc2 is involved in sumoylation process by recruiting SUMO E1 and E2, and Pc2 is actually SUMO E3 during sumoylation events. CBX4 expression is ubiquitous.

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**Molecular Weight:** 61368

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**Gene ID:** 8535

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**NCBI Accession:** [NP\\_003646](#)

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**UniProt:** [O00257](#)

## Application Details

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**Application Notes:** WB: 1:1000

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

**Preservative:** Sodium azide

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

**Storage:** 4 °C, -20 °C

**Storage Comment:** Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

**Expiry Date:** 6 months

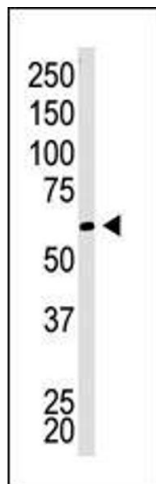
## Publications

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Product cited in: Wang, Liu, Zhao, Song, Wang, Wang, Sun: "Phosphorylation of CDK2 on threonine 160 influences silencing of sex chromosome during male meiosis." in: **Biology of reproduction**, Vol. 90, Issue 6, pp. 138, (2014) ([PubMed](#)).

## Images

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### Western Blotting

**Image 1.** The anti-CBX4 C-term Pab (ABIN389087 and ABIN2839283) is used in Western blot to detect CBX4 in Jurkat cell lysate.