

Datasheet: VPA00609

**BATCH NUMBER 161121**

<b>Description:</b>	RABBIT ANTI CBX1
<b>Specificity:</b>	CBX1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	100 µl

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Mouse, Rat

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Preparation

Rabbit polyclonal antibody purified by affinity chromatography

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide  
2% Sucrose

**Immunogen** Synthetic peptide encompassing part of the N terminal region of human CBX1

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**External Database**

**Links**

**UniProt:**

[P83916](#) [Related reagents](#)

**Entrez Gene:**

[10951](#) CBX1 [Related reagents](#)

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**Synonyms**

CBX

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**Specificity**

**Rabbit anti Human CBX1 antibody** recognizes the chromobox protein homolog 1, also known as HP1 beta homolog, heterochromatin protein 1 homolog beta, heterochromatin protein 1-beta, heterochromatin protein p25 beta or modifier 1 protein.

The CBX1 gene encodes a highly conserved nonhistone protein, which is a member of the heterochromatin protein family . The protein is enriched in the heterochromatin and associated with centromeres. The protein has a single N-terminal chromodomain which can bind to histone proteins via methylated lysine residues, and a C-terminal chromo shadow-domain (CSD) which is responsible for the homodimerization and interaction with a number of chromatin-associated nonhistone proteins. The protein may play an important role in the epigenetic control of chromatin structure and gene expression. Several related pseudogenes are located on chromosomes 1, 3, and X. Multiple alternatively spliced variants, encoding the same protein, have been identified (provided by RefSeq, Jul 2008).

Rabbit anti Human CBX1 antibody detects a band of 25 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**

Rabbit anti CBX1 detects a band of approximately 25 kDa in Jurkat cell lysates

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**Storage**

Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

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**Guarantee**

12 months from date of despatch

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**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories

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**Health And Safety**

**Information**

Material Safety Datasheet documentation #10045 available at:  
<https://www.bio-rad-antibodies.com/SDS/VPA00609>  
Antibody (10045)

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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