

## Datasheet: VPA00452

<b>Description:</b>	RABBIT ANTI CBX5
<b>Specificity:</b>	CBX5
<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

**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 prepared by affinity chromatography on Protein A.

### Buffer Solution

Phosphate buffered saline.

### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>)  
2% Sucrose.

### Immunogen

Synthetic peptide directed towards the middle region of human CBX5

**External Database  
Links**

**UniProt:**

[P45973](#)

[Related reagents](#)

**Entrez Gene:**

[23468](#)

CBX5

[Related reagents](#)

**Synonyms**

HP1A

**Specificity**

**Rabbit anti Human CBX5 antibody** recognizes CBX5, also known as heterochromatin protein 1 homolog alpha, HP1-alpha, chromobox protein homolog 5, antigen p25 or epididymis luminal protein 25.

The CBX5 gene encodes a highly conserved nonhistone protein, 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 encoded product is involved in the formation of functional kinetochore through interaction with essential kinetochore proteins. The gene has a pseudogene located on chromosome 3. Multiple alternatively spliced variants, encoding the same protein, have been identified (provided by RefSeq, Jul 2008).

Rabbit anti Human CBX5 antibody detects a band of 26 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

**Western Blotting**

Anti CBX5 detects a band of approximately 26 kDa in HeLa cell lysates.

**Storage**

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

**Guarantee**

12 months from date of despatch.

**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories.

**Health And Safety  
Information**

Material Safety Datasheet documentation #10045 available at:  
<https://www.bio-rad-antibodies.com/SDS/VPA00452>  
Antibody (10045)

**Regulatory**

For research purposes only.

## Related Products

### Recommended Secondary Antibodies

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

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M401741:220718'

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