

## Datasheet: VPA00123

<b>Description:</b>	GOAT ANTI CCT ALPHA
<b>Specificity:</b>	CCT ALPHA
<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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Goat polyclonal antibody purified by affinity chromatography.
<b>Buffer Solution</b>	TRIS buffered saline.
<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> ) 0.5 % BSA
<b>Immunogen</b>	Peptide with the sequence C-SYEDAVHSGALND, from the C Terminus of the protein sequence.

### External Database Links

#### UniProt:

[P17987](#)

[Related reagents](#)

#### Entrez Gene:

<b>Synonyms</b>	CCT1, CCTA
<b>Specificity</b>	<p><b>Goat anti Human CCT alpha antibody</b> recognizes the CCT alpha protein, also known as T-complex protein 1 subunit alpha (TCP-1-alpha).</p> <p>CCT alpha, encoded by the TCP1 gene, is a molecular chaperone that is a member of the chaperonin containing TCP1 complex (CCT), also known as the TCP1 ring complex (TRiC). This complex consists of two identical stacked rings, each containing eight different proteins. Unfolded polypeptides enter the central cavity of the complex and are folded in an ATP-dependent manner. The complex folds various proteins, including actin and tubulin. Alternate transcriptional splice variants of TCP1, encoding different isoforms, have been characterized. In addition, three pseudogenes that appear to be derived from TCP1 have been found (provided by RefSeq, Jun 2010).</p> <p>Goat anti Human CCT alpha antibody detects a band of 60 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
<b>Western Blotting</b>	Anti CCT alpha detects a band of approximately 60 kDa in K562 cell lysates.
<b>References</b>	1. Yuen, G. <i>et al.</i> (2017) CRISPR/Cas9-mediated gene knockout is insensitive to target copy number but is dependent on guide RNA potency and Cas9/sgRNA threshold expression level. <a href="#">Nucleic Acids Res. 45 (20): 12039-53.</a>
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
<b>Guarantee</b>	12 months from date of despatch.
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10058 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VPA00123">https://www.bio-rad-antibodies.com/SDS/VPA00123</a> Antibody (10058)
<b>Regulatory</b>	For research purposes only.

## Related Products

### Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [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://www.bio-rad-antibodies.com/datasheets)  
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