

Datasheet: VMA00026

Description:	RAT ANTI CCT BETA
Specificity:	CCT BETA
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Isotype:	IgG2b
Quantity:	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.

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

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Rat, Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Rat monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Mouse CCT beta peptide conjugated to purified tuberculin protein derivative
External Database Links	UniProt: P78371 Related reagents Entrez Gene: 10576 CCT2 Related reagents
Synonyms	99D8.1, CCTB

Specificity	Rat anti Human CCT beta antibody recognizes human T-complex protein 1 subunit beta, also known as CCT beta, CCT2 or TCP-1-beta. CCT beta is a 535 amino acid cytoplasmically expressed chaperonin molecule involved in protein folding and has been shown to be involved in actin interaction (Llorca et al. 1999). Two isoforms of CCT beta have been described, arising from alternative splicing. It is not clear whether this Rat anti Human CCT beta antibody recognizes the shorter isoform 2, lacking the N-terminal 47 amino acids seen in isoform 1. Rat anti Human CCT beta antibody recognizes CCT beta as a single band of ~ 57 kDa in multiple human cell line lysates by western blotting under reducing conditions and is cross reactive with both mouse and rat cell line lysates.
Western Blotting	Anti CCT beta antibody detects a band of approximately 57 kDa in Jurkat cell lysates.
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 12 months from date of despatch.
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rat IgG (STAR72...) [HRP](#)

Recommended Negative Controls

[RAT IgG2b NEGATIVE CONTROL \(MCA6006GA\)](#)

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