

Datasheet: MCA2275

Description:	RAT ANTI CCT BETA
Specificity:	CCT BETA
Other names:	TCP-1 BETA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	PK/8/4/4i/2F
Isotype:	IgG2b
Quantity:	0.1 mg

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
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation			■	
Western Blotting	■			1/100 - 1/500

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Reacts with: Rat, Bovine, Chicken, Sheep, Mouse, Dog, Rabbit, Hamster, Pig, Monkey N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

**External Database
Links**

UniProt:

[P78371](#) [Related reagents](#)

Entrez Gene:

[10576](#) CCT2 [Related reagents](#)

Synonyms

99D8.1, CCTB

Specificity

Rat anti CCT beta antibody, clone PK/8/4/4i/2F recognises the beta polypeptide of the CCT chaperonin molecule complex.

The intact CCT complex is composed of eight polypeptides in a double-ring structure. CCT is important within cells in aiding the folding of proteins including actin, tubulin and the VHL tumour suppressor protein.

Western Blotting

MCA2275 detects a band of approximately 60kD in lysates of heat shocked HeLa cells.

References

1. Satish L *et al.* (2010) Cloning and expression of rabbit CCT subunits eta and beta in healing cutaneous wounds. [Cell Stress Chaperones. 15 \(6\): 819-26.](#)
2. Fislová T *et al.* (2010) Association of the influenza virus RNA polymerase subunit PB2 with the host chaperonin CCT. [J Virol. 84 \(17\): 8691-9.](#)
3. Satish, L. *et al.* (2010) Chaperonin containing T-complex polypeptide subunit eta (CCT-eta) is a specific regulator of fibroblast motility and contractility. [PLoS One. 5\(4\):e10063.](#)
4. Plimpton, R.L. *et al.* (2015) Structures of the G β -CCT and PhLP1-G $\beta\beta$ -CCT complexes reveal a mechanism for G-protein β -subunit folding and G $\beta\gamma$ dimer assembly. [Proc Natl Acad Sci U S A. 112 \(8\): 2413-8.](#)
5. Satish, L. *et al.* (2011) Chaperonin containing T-complex polypeptide (CCT) subunit expression in oral mucosal wounds and fibroblasts. [Cell Stress Chaperones. 16 \(6\): 675-80.](#)

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)

[DyLight®800](#)

Rabbit Anti Rat IgG (STAR17...)

[FITC](#)

Goat Anti Rat IgG (STAR69...)

[FITC](#)

Goat Anti Rat IgG (STAR131...)

[Alk. Phos., Biotin](#)

Goat Anti Rat IgG (STAR73...)

[RPE](#)

Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) [DyLight®649](#), [DyLight®800](#)

Rabbit Anti Rat IgG (STAR21...)

[HRP](#)

Goat Anti Rat IgG (STAR72...)

[HRP](#)

Recommended Negative Controls

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

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