

Datasheet: MCA2179

Description:	RAT ANTI CCT ETA
Specificity:	CCT ETA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	PK/16/8/a
Isotype:	IgG2a
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 (1)	▪			1/100
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/500

Where this product 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 product for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.

Species Cross Reactivity

Reacts with: Mouse, Human, Bovine, Rabbit

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

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	<p>UniProt: Q2NKZ1 Related reagents</p> <p>Entrez Gene: 514355 CCT7 Related reagents</p>
RRID	AB_324836
Specificity	<p>Rat anti CCTeta antibody, clone PK/16/8/a recognizes the eta polypeptide of the CCT chaperonin molecule complex. CCTη is a 543 amino acid ~60 kDa molecule encoded by the CCT7 gene, a member of the TCP-1 chaperonin family (UniProt: Q2NKZ1)</p> <p>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.</p> <p>Rat anti CCTeta antibody, clone PK/16/8/a detects a band of ~60 kDa in HeLa cell lysates using western blotting under reducing conditions.</p>
Histology Positive Control Tissue	Human prostate.
Western Blotting	MCA2179 detects a band of approximately 60kD in Hela cell lysates.
References	<ol style="list-style-type: none"> Satish, L. <i>et al.</i> (2010) Cloning and expression of rabbit CCT subunits eta and beta in healing cutaneous wounds. Cell Stress Chaperones. 15 (6): 819-26. Hynes, G. <i>et al.</i> (1996) Analysis of chaperonin-containing TCP-1 subunits in the human keratinocyte two-dimensional protein database: further characterisation of antibodies to individual subunits. Electrophoresis. 17 (11): 1720-7. Satish L <i>et al.</i> (2011) Chaperonin containing T-complex polypeptide (CCT) subunit expression in oral mucosal wounds and fibroblasts. Cell Stress Chaperones. 16 (6): 675-80. Hynes, G.M. & Willison, K.R. (2000) Individual subunits of the eukaryotic cytosolic chaperonin mediate interactions with binding sites located on subdomains of beta-actin. J Biol Chem. 275 (25): 18985-94. Satish, L. <i>et al.</i> (2010) Chaperonin containing T-complex polypeptide subunit eta (CCT-eta) is a specific regulator of fibroblast motility and contractility. PLoS One. 5(4):e10063.

6. Satish L *et al.* (2013) Increased CCT-eta expression is a marker of latent and active disease and a modulator of fibroblast contractility in Dupuytren's contracture. [Cell Stress Chaperones. 18 \(4\): 397-404.](#)

Further Reading 1. Llorca, O. *et al.* (2000) Eukaryotic chaperonin CCT stabilizes actin and tubulin folding intermediates in open quasi-native conformations. [EMBO J. 19 \(22\): 5971-9.](#)

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.

Guarantee 12 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 (STAR17...)	FITC
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP
Rabbit Anti Rat IgG (STAR16...)	DyLight@800
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight@800
Goat Anti Rat IgG (STAR72...)	HRP

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