

**SM2016P****Monoclonal Antibody to CCT2 / TCP1 beta - Aff - Purified**

<b>Alternate names:</b>	99D8.1, CCT-beta, CCTB, T-complex protein 1 subunit beta, TCP-1 beta
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">P78371</a>
<b>NCBI:</b>	<a href="#">NP_006422.1</a>
<b>GeneID:</b>	<a href="#">10576</a>
<b>Host / Isotype:</b>	Rat / IgG2b
<b>Clone:</b>	PK/8/4/4i/2F
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction <b>Purification:</b> Affinity Chromatography on Protein G <b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative
<b>Applications:</b>	Western blot: 1/100-1/500. Detects a band of approximately 60kD in lysates of heat shocked HeLa cells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognizes the beta polypeptide of the CCT chaperonin molecule complex. <b>Species:</b> Human, Sheep, Monkey, Bovine, Rabbit, Dog, Hamster, Pig, Rat, Chicken, Mouse. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Satish L, Johnson S, Abdulally A, Post JC, Ehrlich GD, Kathju S. Cloning and expression of rabbit CCT subunits eta and beta in healing cutaneous wounds. Cell Stress Chaperones. 2010 Nov;15(6):819-26. doi: 10.1007/s12192-010-0190-1. PubMed PMID: 20393890. 2. Fislová T, Thomas B, Graef KM, Fodor E. Association of the influenza virus RNA polymerase subunit PB2 with the host chaperonin CCT. J Virol. 2010 Sep;84(17):8691-9. doi: 10.1128/JVI.00813-10. Epub 2010 Jun 23. PubMed PMID: 20573828. 3. Satish L, Johnson S, Wang JH, Post JC, Ehrlich GD, Kathju S. Chaperonin containing T-complex polypeptide subunit eta (CCT-eta) is a specific regulator of fibroblast motility and contractility. PLoS One. 2010 Apr 30;5(4):e10063. doi: 10.1371/journal.pone.0010063. PubMed PMID: 20442790.

## Pictures:

Western blot analysis of HeLa whole cell lysate (Lane 1) and HeLa heat stressed whole cell lysate (Lane 2) probed with Rat Anti Human CCT Beta antibody (SM2016P) followed by F(ab')<sub>2</sub> Rabbit Anti Rat IgG:HRP (SP1021HRP).

