

## SM2017P

## Monoclonal Antibody to CCT8 / TCP1 theta - Aff - Purified

<b>Alternate names:</b>	CCT theta, CCTQ, KIAA0002, NY-REN-15, Renal carcinoma antigen NY-REN-15, T-complex protein 1 subunit theta
<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="#">P50990</a>
<b>NCBI:</b>	<a href="#">NP_006576.2</a>
<b>GeneID:</b>	<a href="#">10694</a>
<b>Host / Isotype:</b>	Rat / IgG2a
<b>Clone:</b>	PK/13/72/8k
<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>	<b>Immunoprecipitation.</b> <b>Western Blot:</b> 1/250-1/500. This antibody 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 recognises the theta polypeptide of the CCT chaperonin molecule complex. <b>Species:</b> Bovine, Rabbit, Human and 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. Hynes G, Celis JE, Lewis VA, Carne A, U S, Lauridsen JB, et al. Analysis of chaperonin-containing TCP-1 subunits in the human keratinocyte two-dimensional protein database: further characterisation of antibodies to individual subunits. Electrophoresis. 1996 Nov;17(11):1720-7. PubMed PMID: 8982604. 2. Llorca O, Martín-Benito J, Ritco-Vonsovici M, Grantham J, Hynes GM, Willison KR, et al. Eukaryotic chaperonin CCT stabilizes actin and tubulin folding intermediates in open quasi-native conformations. EMBO J. 2000 Nov 15;19(22):5971-9. PubMed PMID: 11080144. 3. Hynes GM, Willison KR. Individual subunits of the eukaryotic cytosolic chaperonin mediate interactions with binding sites located on subdomains of beta-actin. J Biol Chem. 2000 Jun 23;275(25):18985-94. PubMed PMID: 10748209.

**Pictures:**

Western blot analysis of HeLa whole cell lysate (Lane 1) and HeLa heat stressed whole cell lysate (Lane 2) probed with Rat anti CCT theta Cat.-No SM2017P followed by F(ab')<sub>2</sub> Rabbit anti Rat IgG:HRP (Cat.-No SP1021HRP).

