

# Product datasheet for TA374403S

## TCP1 beta (CCT2) Rabbit Polyclonal Antibody

### **Product data:**

#### OriGene Technologies, Inc.

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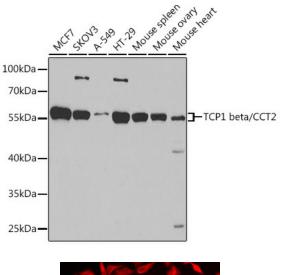
Product Type:	Primary Antibodies
Applications:	ELISA, ICC/IF, IP, WB
Recommended Dilution:	WB,1:500 - 1:2000 IF/ICC,1:50 - 1:200 IP,0.5µg-4µg antibody for 200µg-400µg extracts of whole cells ELISA,Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Reactivity:	Human, Mouse
Modifications:	Unmodified
Host:	Rabbit
lsotype:	IgG
Clonality:	Polyclonal
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	57kDa
Gene Name:	chaperonin containing TCP1 subunit 2
Database Link:	<u>Entrez Gene 10576 Human</u> <u>P78371</u>
Background:	The protein encoded by this gene is a molecular chaperone that is a member of the chaperonin containing TCP1 complex (CCT), also known as the TCP1 ring complex (TRiC). This complex consists of two identical stacked rings, each containing eight different proteins. Unfolded polypeptides enter the central cavity of the complex and are folded in an ATP-dependent manner. The complex folds various proteins, including actin and tubulin. Two transcript variants encoding different isoforms have been found for this gene.



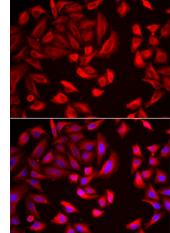
This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2025 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US Synonyms:

#### 99D8.1; CCT-beta; CCTB; MGC142074; MGC142076; PRO1633; TCP-1-beta

## **Product images:**



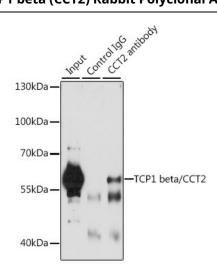
Western blot analysis of various lysates using TCP1 beta/CCT2 Rabbit pAb ([TA374403]) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 15s.



Immunofluorescence analysis of HeLa cells using TCP1 beta/CCT2 Rabbit pAb ([TA374403]). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

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Immunoprecipitation analysis of 200  $\mu g$  extracts of A-549 cells

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