

TCP1 theta Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51872**Specification**

TCP1 theta Antibody - Product Information

Application	WB
Primary Accession	P50990
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59 KDa
Antigen Region	341 - 400

TCP1 theta Antibody - Additional Information**Gene ID** 10694**Other Names**

T-complex protein 1 subunit theta, TCP-1-theta, CCT-theta, Renal carcinoma antigen NY-REN-15, CCT8, C21orf112, CCTQ, KIAA0002

Target/Specificity

KLH conjugated synthetic peptide derived from human TCP1 theta

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

TCP1 theta Antibody - Protein Information**Name** CCT8**Synonyms** C21orf112, CCTQ, KIAA0002**Function**

Component of the chaperonin-containing T-complex (TRiC), a molecular chaperone complex that assists the folding of proteins upon ATP hydrolysis (PubMed:25467444). The TRiC complex mediates the folding of WRAP53/TCAB1, thereby regulating telomere maintenance (PubMed:25467444). As part of the TRiC complex may play a role in the assembly of BBSome, a complex involved in ciliogenesis regulating transports vesicles to the cilia (PubMed:25467444).

href="http://www.uniprot.org/citations/20080638" target="_blank">20080638). The TRiC complex plays a role in the folding of actin and tubulin (Probable).

Cellular Location

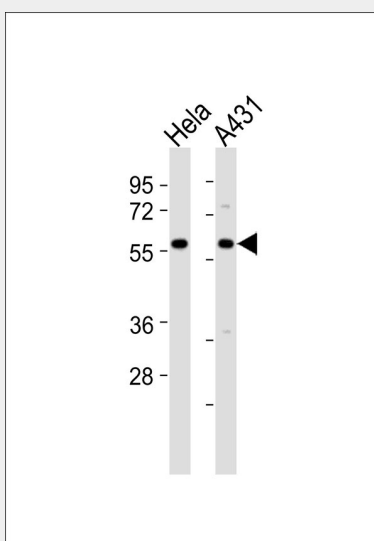
Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250|UniProtKB:P42932}

TCP1 theta Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TCP1 theta Antibody - Images



All lanes : Anti-TCP1 theta Antibody at 1:1000 dilution Lane 1: Hela whole cell lysates Lane 2: A431 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 60 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

TCP1 theta Antibody - Background

Molecular chaperone; assists the folding of proteins upon ATP hydrolysis. As part of the BBS/CCT complex may play a role in the assembly of BBSome, a complex involved in ciliogenesis regulating transports vesicles to the cilia. Known to play a role, in vitro, in the folding of actin and tubulin.

TCP1 theta Antibody - References

Nomura N., et al. DNA Res. 1:27-35(1994).
Yamazaki M., et al. DNA Res. 2:187-189(1995).

Taudien S.,et al.Submitted (FEB-1999) to the EMBL/GenBank/DDBJ databases.

Hattori M.,et al.Nature 405:311-319(2000).

Bienvenut W.V.,et al.Submitted (OCT-2004) to UniProtKB.