

TCP-1 θ Polyclonal Antibody
Catalog # AP72770**Specification**

TCP-1 θ Polyclonal Antibody - Product Information

Application	WB
Primary Accession	P50990
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

TCP-1 θ Polyclonal Antibody - Additional Information**Gene ID** 10694**Other Names**

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

TCP-1 θ Polyclonal 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 actin, tubulin and other proteins upon ATP hydrolysis (PubMed:<[a href="http://www.uniprot.org/citations/25467444" target="_blank">25467444](http://www.uniprot.org/citations/25467444), PubMed:<[a href="http://www.uniprot.org/citations/36493755" target="_blank">36493755](http://www.uniprot.org/citations/36493755), PubMed:<[a href="http://www.uniprot.org/citations/35449234" target="_blank">35449234](http://www.uniprot.org/citations/35449234), PubMed:<[a href="http://www.uniprot.org/citations/37193829" target="_blank">37193829](http://www.uniprot.org/citations/37193829)). The TRiC complex mediates the folding of WRAP53/TCAB1, thereby regulating telomere maintenance (PubMed:<[a href="http://www.uniprot.org/citations/25467444" target="_blank">25467444](http://www.uniprot.org/citations/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:<[a href="http://www.uniprot.org/citations/20080638" target="_blank">20080638](http://www.uniprot.org/citations/20080638)).

Cellular Location

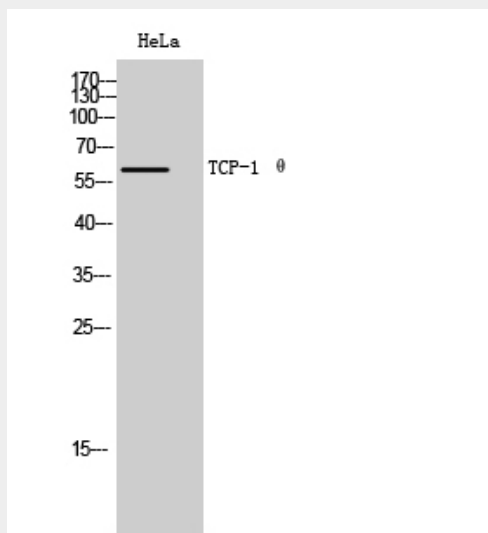
Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250|UniProtKB:P42932}

TCP-1 θ Polyclonal Antibody - Protocols

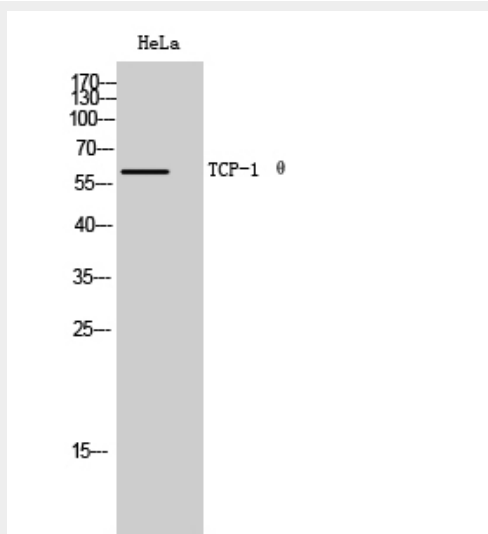
Provided below are standard protocols that you may find useful for product applications.

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

TCP-1 θ Polyclonal Antibody - Images



Western Blot analysis of HeLa cells using TCP-1 θ Polyclonal Antibody



Western Blot analysis of HeLa cells using TCP-1 θ Polyclonal Antibody

TCP-1 θ Polyclonal Antibody - Background

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 BBosome, a complex involved in ciliogenesis regulating transports vesicles to the cilia (PubMed:20080638). The TRiC complex plays a role in the folding of actin and tubulin (Probable).