

**KD-Validated Anti-T-Complex 1 Rabbit Monoclonal Antibody**  
**Rabbit monoclonal antibody**  
**Catalog # AGI1797**

**Specification**

**KD-Validated Anti-T-Complex 1 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	<a href="#">P17987</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 60 kDa, Observed, 50 kDa
Gene Name	KDa
Aliases	TCP1; T-Complex 1; CCT1; D6S230E; Ccta; T-Complex Protein 1 Subunit Alpha; TCP-1-Alpha; CCT-Alpha; T-Complex Protein 1, Alpha Subunit; Tailless Complex Polypeptide 1; T-Complex 1 Protein; CCTA
Immunogen	A synthesized peptide derived from human TCP1 alpha

**KD-Validated Anti-T-Complex 1 Rabbit Monoclonal Antibody - Additional Information**

Gene ID	6950
<b>Other Names</b>	
T-complex protein 1 subunit alpha, TCP-1-alpha, CCT-alpha, Chaperonin containing T-complex polypeptide 1 subunit 1, TCP1, CCT1, CCTA	

**KD-Validated Anti-T-Complex 1 Rabbit Monoclonal Antibody - Protein Information**

**Name** TCPA

**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: [25467444](http://www.uniprot.org/citations/25467444), PubMed: [36493755](http://www.uniprot.org/citations/36493755), PubMed: [35449234](http://www.uniprot.org/citations/35449234), PubMed: [37193829](http://www.uniprot.org/citations/37193829)). The TRiC complex mediates the folding of WRAP53/TCAB1, thereby regulating telomere maintenance (PubMed: [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: [20080638](http://www.uniprot.org/citations/20080638)).

**Cellular Location**

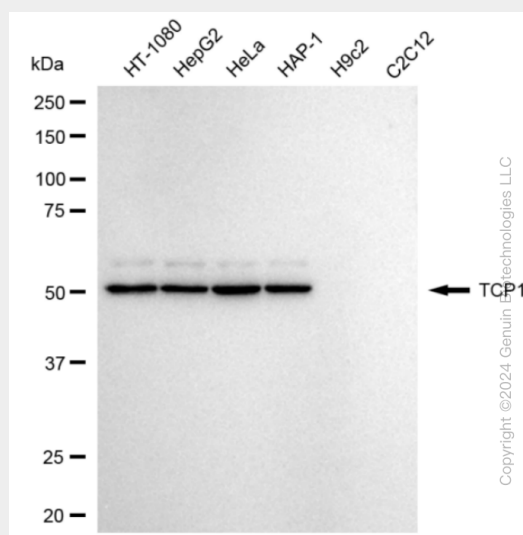
Cytoplasm, cytosol. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome

## KD-Validated Anti-T-Complex 1 Rabbit Monoclonal Antibody - Protocols

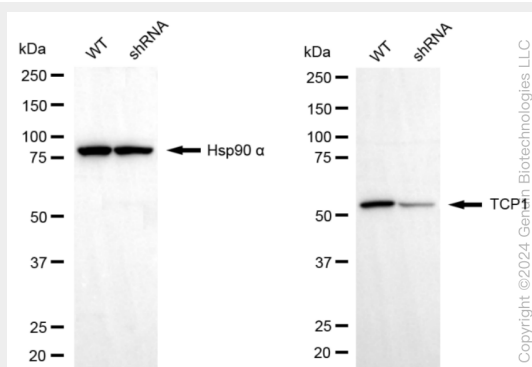
Provided below are standard protocols that you may find useful for product applications.

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

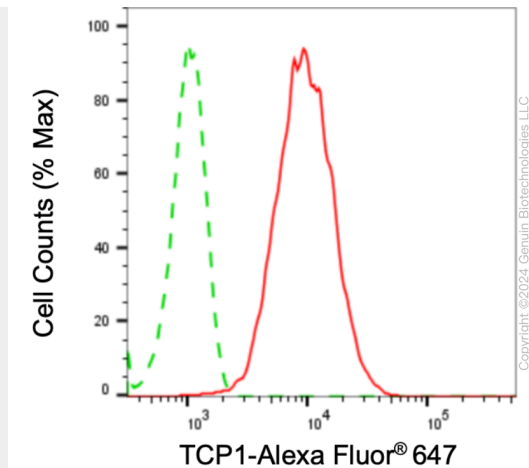
## KD-Validated Anti-T-Complex 1 Rabbit Monoclonal Antibody - Images



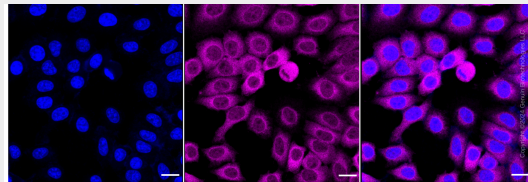
Western blotting analysis using anti-TCP1 antibody (Cat#AGI1797). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-TCP1 antibody (Cat#AGI1797, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-TCP1 antibody (Cat#AGI1797). TCP1 expression in wild type (WT) and TCP1 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-TCP1 antibody (Cat#AGI1797, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of TCP1 expression in HepG2 cells using anti-TCP1 antibody (Cat#AGI1797, 1:2,000). Green, isotype control; red, TCP1.



Immunocytochemical staining of HepG2 cells with anti-TCP1 antibody (Cat#AGI1797, 1:1,000). Nuclei were stained blue with DAPI; TCP1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.