

**CCT2 / CCT Beta Antibody (clone F39 P7 F11)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS11839****Specification**

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**CCT2 / CCT Beta Antibody (clone F39 P7 F11) - Product Information**

|                   |                                                                                 |
|-------------------|---------------------------------------------------------------------------------|
| Application       | WB                                                                              |
| Primary Accession | <a href="#">P78371</a>                                                          |
| Reactivity        | Human, Mouse, Rat, Zebrafish, Hamster, Monkey, Pig, Horse, Xenopus, Bovine, Dog |
| Host              | Mouse                                                                           |
| Clonality         | Monoclonal                                                                      |
| Calculated MW     | 57kDa KDa                                                                       |

**CCT2 / CCT Beta Antibody (clone F39 P7 F11) - Additional Information****Gene ID** 10576**Other Names**

T-complex protein 1 subunit beta, TCP-1-beta, CCT-beta, CCT2, 99D8.1, CCTB

**Target/Specificity**TCP-1 $\beta$  (Chaperonin containing T complex polypeptide 1, subunit 2)**Reconstitution & Storage**

+4°C, avoid freezing

**Precautions**

CCT2 / CCT Beta Antibody (clone F39 P7 F11) is for research use only and not for use in diagnostic or therapeutic procedures.

**CCT2 / CCT Beta Antibody (clone F39 P7 F11) - Protein Information****Name** CCT2**Synonyms** 99D8.1, CCTB**Function**

Component of the chaperonin-containing T-complex (TRiC), a molecular chaperone complex that assists the folding of proteins upon ATP hydrolysis (PubMed:<a href="http://www.uniprot.org/citations/25467444" target="\_blank">25467444</a>). 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</a>). 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</a>). The TRiC complex plays a role in the folding of actin and tubulin (Probable).

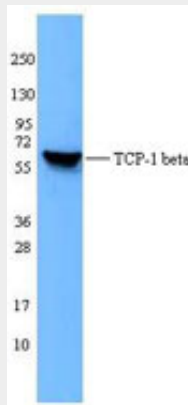
**Cellular Location**

Cytoplasm.

**CCT2 / CCT Beta Antibody (clone F39 P7 F11) - 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](#)

**CCT2 / CCT Beta Antibody (clone F39 P7 F11) - Images**

HepG2 cell extracts were resolved by electrophoresis, transferred to nitrocellulose, and probed...

**CCT2 / CCT Beta Antibody (clone F39 P7 F11) - 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.

**CCT2 / CCT Beta Antibody (clone F39 P7 F11) - References**

- Won K.-A., et al. Mol. Cell. Biol. 18:7584-7589(1998).  
Xin Y., et al. Submitted (SEP-1997) to the EMBL/GenBank/DDBJ databases.  
Kalnina N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.