

CCT2 / CCT Beta Antibody
Rabbit Polyclonal Antibody
Catalog # ALS13661**Specification**

CCT2 / CCT Beta Antibody - Product Information

Application	WB, IHC
Primary Accession	P78371
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57kDa KDa

CCT2 / CCT Beta Antibody - Additional Information**Gene ID** 10576**Other Names**

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

Target/Specificity

Human TCP1 beta. Predicted cross-reactivity based on amino acid sequence homology: mouse (97%), rat (97%), rabbit (100%), bovine (98%), pig (100%), zebrafish (87%).

Reconstitution & Storage

Aliquot and store at -20°C. Minimize freezing and thawing.

Precautions

CCT2 / CCT Beta Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CCT2 / CCT Beta Antibody - 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: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:20080638). The TRiC complex plays a role in the folding of actin and tubulin (Probable).

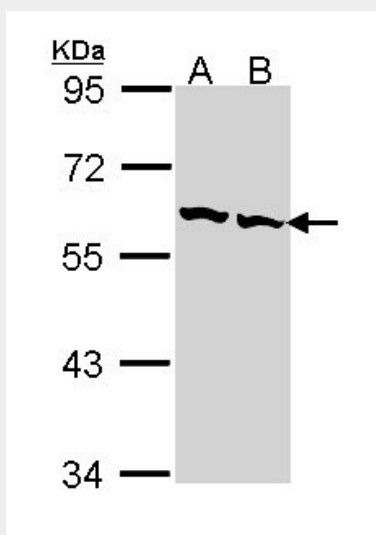
Cellular Location

Cytoplasm.

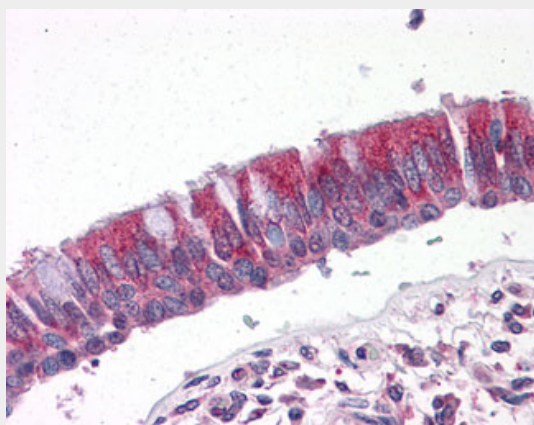
Volume50 μ l**CCT2 / CCT Beta Antibody - Protocols**

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](#)

CCT2 / CCT Beta Antibody - Images

Sample (30 ug of whole cell lysate).



Anti-CCT2 antibody IHC of human lung, respiratory epithelium.

CCT2 / CCT Beta 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.

CCT2 / CCT Beta Antibody - 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.
Kalnine 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.