

CCT2 / CCT Beta Antibody (clone PK/8/4/4i/2f)
Rat Monoclonal Antibody
Catalog # ALS12941**Specification**

CCT2 / CCT Beta Antibody (clone PK/8/4/4i/2f) - Product Information

Application	IHC
Primary Accession	P78371
Reactivity	Human, Mouse, Rat, Rabbit, Hamster, Monkey, Pig, Sheep, Bovine, Dog
Host	Rat
Clonality	Monoclonal
Calculated MW	57kDa kDa

CCT2 / CCT Beta Antibody (clone PK/8/4/4i/2f) - Additional Information**Gene ID** 10576**Other Names**

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

Target/Specificity

Detects an ~55 kD protein, corresponding to the apparent molecular mass of TCP-1beta on SDS-PAGE immunoblots. This antibody does not react with human Hsp60 nor with E. coli GroEL proteins.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. For maximum product recovery, after thawing, centrifuge the product vial before removing cap.

Precautions

CCT2 / CCT Beta Antibody (clone PK/8/4/4i/2f) is for research use only and not for use in diagnostic or therapeutic procedures.

CCT2 / CCT Beta Antibody (clone PK/8/4/4i/2f) - 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:<a

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

Cellular Location

Cytoplasm.

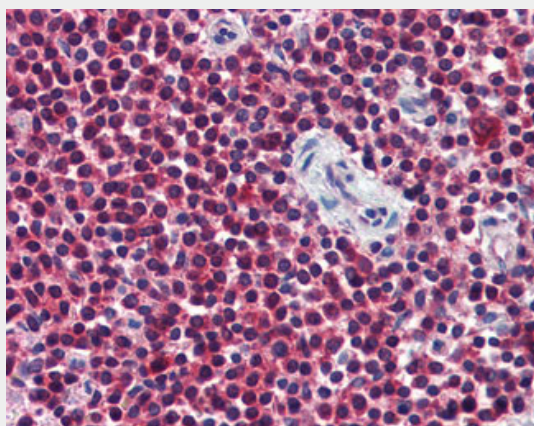
Volume

50 µl

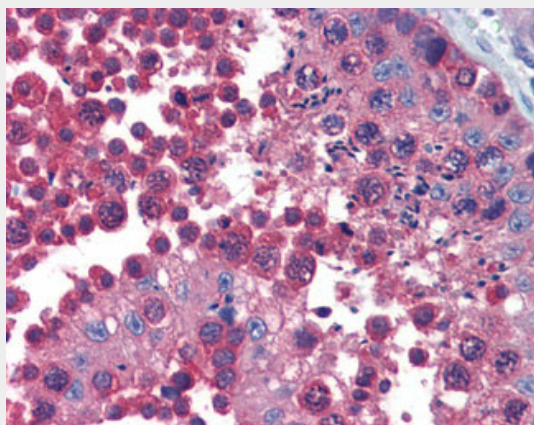
CCT2 / CCT Beta Antibody (clone PK/8/4/4i/2f) - Protocols

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 PK/8/4/4i/2f) - Images

Anti-CCT2 antibody IHC of human spleen.



Anti-CCT2 antibody IHC of human testis.

CCT2 / CCT Beta Antibody (clone PK/8/4/4i/2f) - 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 PK/8/4/4i/2f) - 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.