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CCT8 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP12500b

Specification

CCT8 Antibody (C-term) Blocking peptide - Product Information

Primary Accession P50990

CCT8 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 10694

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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CCT8 Antibody (C-term) Blocking peptide - 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 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. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250|UniProtKB:P42932}

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CCT8 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

CCT8 Antibody (C-term) Blocking peptide - Images

CCT8 Antibody (C-term) Blocking peptide - Background

Molecular chaperone; CCT8 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.

CCT8 Antibody (C-term) Blocking peptide - References

Mukherjee, K., et al. BMC Evol. Biol. 10, 64 (2010) :Zebol, J.R., et al. Int. J. Biochem. Cell Biol. 41(4):822-827(2009)Kim, S.C., et al. Mol. Cell 23(4):607-618(2006)Hu, Y.H., et al. BMC Genomics 7, 155 (2006) :Wang, L., et al. J. Mol. Med. 83(10):812-821(2005)