

CCT8 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12500b**Specification**

CCT8 Antibody (C-term) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	P50990
Other Accession	P42932 , Q4R5J0 , NP_006576.2
Reactivity	Human
Predicted	Monkey, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	59621
Antigen Region	519-548

CCT8 Antibody (C-term) - 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

Target/Specificity

This CCT8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 519-548 amino acids from the C-terminal region of human CCT8.

Dilution

FC~~1:10~50

IHC-P~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CCT8 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CCT8 Antibody (C-term) - 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 actin, tubulin and other proteins upon ATP hydrolysis (PubMed:[25467444](#), PubMed:[36493755](#), PubMed:[35449234](#), PubMed:[37193829](#)). 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](#)).

Cellular Location

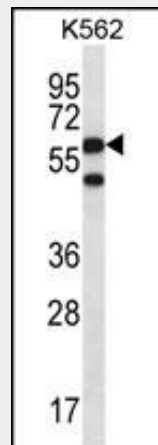
Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250|UniProtKB:P42932}

CCT8 Antibody (C-term) - Protocols

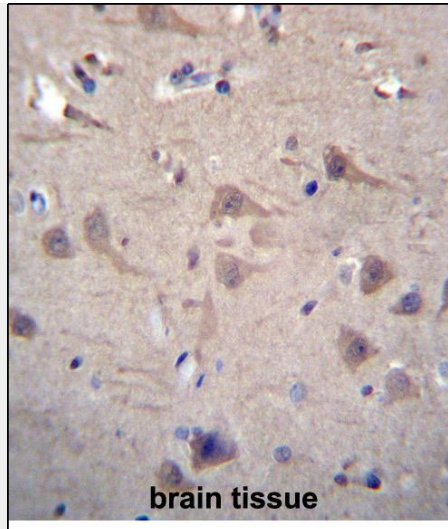
Provided below are standard protocols that you may find useful for product applications.

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

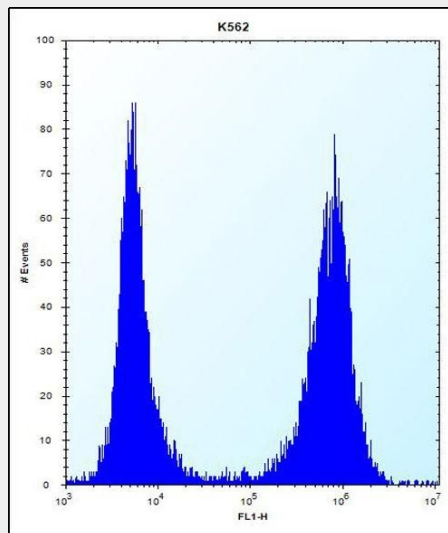
CCT8 Antibody (C-term) - Images



CCT8 Antibody (C-term) (Cat. #AP12500b) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the CCT8 antibody detected the CCT8 protein (arrow).



CCT8 Antibody (C-term) (Cat. #AP12500b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CCT8 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



CCT8 Antibody (C-term) (Cat. #AP12500b) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

CCT8 Antibody (C-term) - 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) - 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)

CCT8 Antibody (C-term) - Citations

- [The role of the Chaperonin containing t-complex polypeptide 1, subunit 8 \(CCT8\) in B-cell non-Hodgkin's lymphoma.](#)
- [Overexpression of CCT8 and its significance for tumor cell proliferation, migration and invasion in glioma.](#)