

CCT7 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20279a**Specification**

CCT7 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O99832
Other Accession	P80313 , Q5ZJK8 , Q2NKZ1 , NP_006420.1
Reactivity	Human
Predicted	Bovine, Chicken, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	59367
Antigen Region	64-92

CCT7 Antibody (N-term) - Additional Information**Gene ID** 10574**Other Names**

T-complex protein 1 subunit eta, TCP-1-eta, CCT-eta, HIV-1 Nef-interacting protein, CCT7, CCTH, NIP7-1

Target/Specificity

This CCT7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 64-92 amino acids from the N-terminal region of human CCT7.

Dilution

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

CCT7 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CCT7 Antibody (N-term) - Protein Information**Name** CCT7

Synonyms CCTH, NIP7-1

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](#)).

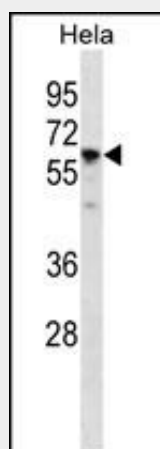
Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P80313}.

CCT7 Antibody (N-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](#)

CCT7 Antibody (N-term) - Images

CCT7 Antibody (N-term) (Cat. #AP20279a) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the CCT7 antibody detected the CCT7 protein (arrow).

CCT7 Antibody (N-term) - Background

This gene encodes a molecular chaperone that is a member of the chaperonin containing TCP1 complex (CCT), also known as the TCP1 ring complex (TRiC). This complex consists of two identical stacked rings, each containing eight different proteins. Unfolded polypeptides enter the central cavity of the complex and are folded in an ATP-dependent manner. The complex folds various proteins, including actin and tubulin. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 5 and 6.

CCT7 Antibody (N-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)
Guo, D., et al. Biochem. Biophys. Res. Commun. 337(4):1308-1318(2005)
Hanafy, K.A., et al. J. Biol. Chem. 279(45):46946-46953(2004)
Imai, Y., et al. J. Biol. Chem. 278(51):51901-51910(2003)