

Goat Anti-CCT3 / TCP1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1211a**Specification**

Goat Anti-CCT3 / TCP1 Antibody - Product Information

Application	WB
Primary Accession	P49368
Other Accession	NP_001008800 , 7203 , 12462 (mouse) , 295230 (rat)
Reactivity	Mouse, Rat
Predicted	Human, Pig, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	60534

Goat Anti-CCT3 / TCP1 Antibody - Additional Information**Gene ID** 7203**Other Names**

T-complex protein 1 subunit gamma, TCP-1-gamma, CCT-gamma, hTRiC5, CCT3, CCTG, TRiC5

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-CCT3 / TCP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-CCT3 / TCP1 Antibody - Protein Information**Name** CCT3**Synonyms** CCTG, TRiC5**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.

Goat Anti-CCT3 / TCP1 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](#)

Goat Anti-CCT3 / TCP1 Antibody - Images



AF1211a (0.01 µg/ml) staining of Mouse Testis lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-CCT3 / TCP1 Antibody - Background

The protein encoded by this gene is 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. Alternate transcriptional splice variants have been characterized for this gene. In addition, a pseudogene of this gene has been found on chromosome 8.

Goat Anti-CCT3 / TCP1 Antibody - References

Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in

two population-based cleft studies from Scandinavia. Jugessur A, et al. PLoS One, 2010 Jul 9. PMID 20634891.

Chaperonin genes on the rise: new divergent classes and intense duplication in human and other vertebrate genomes. Mukherjee K, et al. BMC Evol Biol, 2010 Mar 1. PMID 20193073.

Prefrontal cortex shotgun proteome analysis reveals altered calcium homeostasis and immune system imbalance in schizophrenia. Martins-de-Souza D, et al. Eur Arch Psychiatry Clin Neurosci, 2009 Apr. PMID 19165527.

A PP2A phosphatase high density interaction network identifies a novel striatin-interacting phosphatase and kinase complex linked to the cerebral cavernous malformation 3 (CCM3) protein. Goudreault M, et al. Mol Cell Proteomics, 2009 Jan. PMID 18782753.

The CCT/TRiC chaperonin is required for maturation of sphingosine kinase 1. Zebol JR, et al. Int J Biochem Cell Biol, 2009 Apr. PMID 18775504.