

Anti-CCT3 Picoband Antibody
Catalog # ABO12611**Specification**

Anti-CCT3 Picoband Antibody - Product Information

Application	WB
Primary Accession	P49368
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for T-complex protein 1 subunit gamma(CCT3) detection. Tested with WB in Human;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-CCT3 Picoband Antibody - Additional Information

Gene ID 7203

Other Names

T-complex protein 1 subunit gamma, TCP-1-gamma, CCT-gamma, hTRiC5, CCT3, CCTG, TRIC5

Calculated MW

60534 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Rat

Subcellular Localization

Cytoplasm.

Protein Name

T-complex protein 1 subunit gamma

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human CCT3 (497-536aa EPLAVKLQTYKTAVETAVLLLRIDDIVSGHKKKGDDQSRQ), different from the related mouse and rat sequences by one amino acid.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-CCT3 Picoband 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](http://www.uniprot.org/citations/25467444)). The TRiC complex mediates the folding of WRAP53/TCAB1, thereby regulating telomere maintenance (PubMed: [25467444](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/20080638)). The TRiC complex plays a role in the folding of actin and tubulin (Probable).

Cellular Location

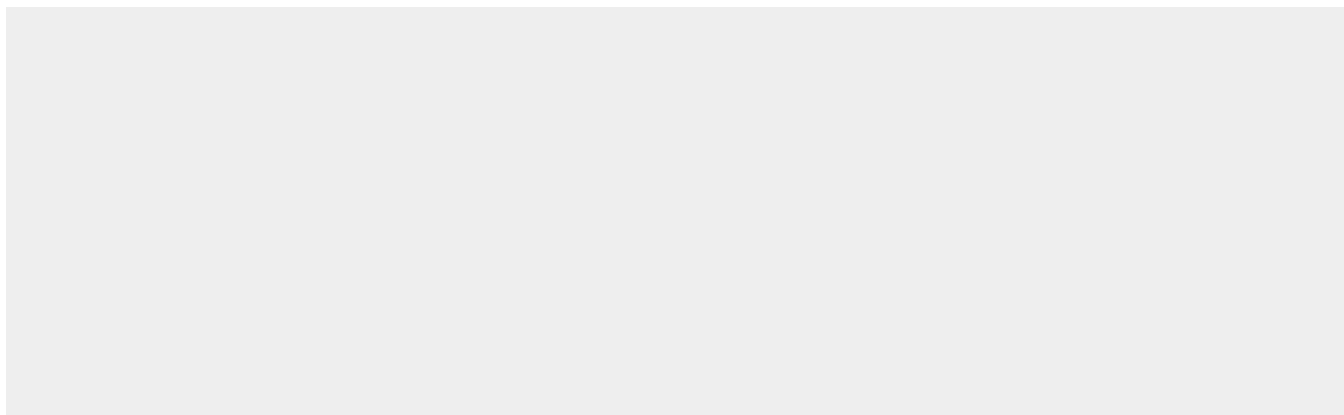
Cytoplasm.

Anti-CCT3 Picoband 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](#)

Anti-CCT3 Picoband Antibody - Images





Western blot analysis of CCT3 expression in rat kidney extract (lane 1) and HELA whole cell lysates (lane 2). CCT3 at 61KD was detected using rabbit anti-CCT3 Antigen Affinity purified polyclonal antibody (Catalog # ABO12611) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method.

Anti-CCT3 Picoband Antibody - Background

T-complex protein 1 subunit gamma is a protein that in humans is encoded by the CCT3 gene. 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.