

# TCP1 beta/CCT2 Rabbit mAb

Catalog No.: A4700 **Recombinant**

## Basic Information

**Observed MW**

57kDa

**Calculated MW**

57kDa

**Category**

Primary antibody

**Applications**

ELISA, WB, IHC-P

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC1097

## 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. Two transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

**WB** 1:500 - 1:2000**IHC-P** 1:50 - 1:200

## Immunogen Information

**Gene ID**

10576

**Swiss Prot**

P78371

**Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 436-535 of human TCP1 beta/CCT2 (P78371).

**Synonyms**

CCTB; 99D8.1; PRO1633; CCT-beta; HEL-S-100n; TCP-1-beta; TCP1 beta/CCT2

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

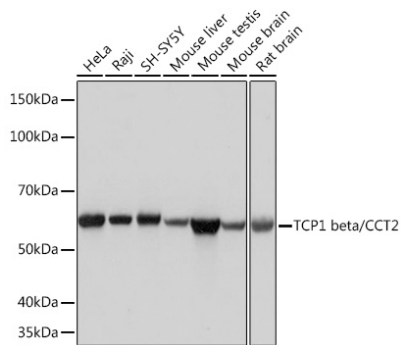
Affinity purification

**Storage**

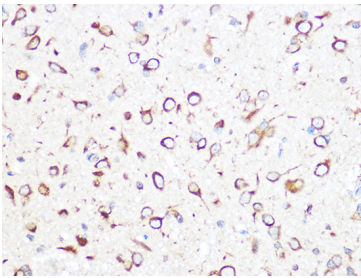
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of various lysates using TCP1 beta/CCT2 Rabbit mAb (A4700) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.



Immunohistochemistry analysis of paraffin-embedded Rat brain using TCP1 beta/CCT2 Rabbit mAb (A4700) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.