# TCP1 beta/CCT2 Rabbit mAb

Catalog No.: A4700 Recombinant



## **Basic Information**

#### **Observed MW**

57kDa

#### **Calculated MW**

57kDa

### Category

Primary antibody

### **Applications**

WB,IHC-P,ELISA

### **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** 1:1000 - 1:4000

IHC-P 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 μg/mL.

Please optimize the concentration based on your specific assay requirements.

# Immunogen Information

**Gene ID Swiss Prot** 10576 P78371

### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

### **Synonyms**

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

# **Contact**

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## **Product Information**

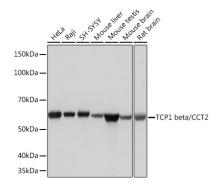
SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

# **Validation Data**

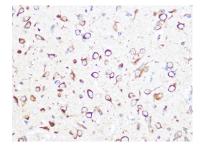


Western blot analysis of various lysates using TCP1 beta/CCT2 Rabbit mAb (A4700) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins:  $25\mu g$  per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 3s.



Immunohistochemistry analysis of paraffinembedded Rat brain using TCP1 beta/CCT2 Rabbit mAb (A4700) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.