

A3887

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TCP1 alpha Rabbit mAb

Catalog No.: A3887 **Recombinant**

Basic Information

Observed MW

60kDa

Calculated MW

60kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Human


CloneNo number

ARC0859

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200

Contact

 www.abclonal.com

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 of this gene, encoding different isoforms, have been characterized. In addition, three pseudogenes that appear to be derived from this gene have been found.

Immunogen Information

Gene ID	Swiss Prot
6950	P17987

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human TCP1 alpha (P17987).

Synonyms

CCT1; CCTa; D6S230E; CCT-alpha; TCP-1-alpha; TCP1 alpha

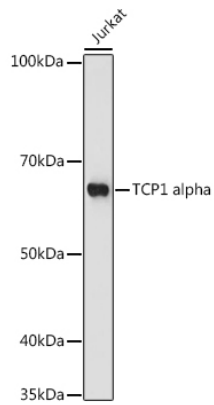
Product Information

Source	Isotype	Purification
Rabbit	IgG	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 lysates from Jurkat cells, using TCP1 alpha Rabbit mAb (A3887) at 1:1000 dilution.

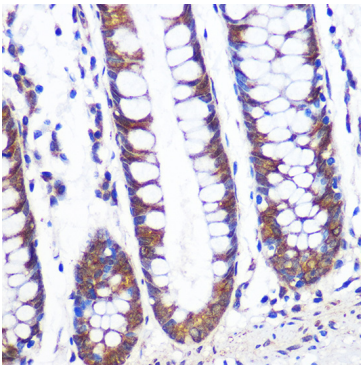
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded human colon using TCP1 alpha Rabbit mAb (A3887) 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.