

TCP1

Reactivity: Human Mouse Rat

Tested applications: WB IHC IF

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Calculated MW: 60kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human TCP1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

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

Catalog #: A1950

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 6950

Isotype: IgG

Swiss Prot: P17987

Purity: Affinity purification

For research use only.

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.

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