

## 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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