



# TCP-1 $\alpha$ Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-03192
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	TCP1
<b>Protein Name</b>	T-complex protein 1 subunit alpha
<b>Immunogen</b>	Synthesized peptide derived from the Internal region of human TCP-1 $\alpha$ .
<b>Specificity</b>	TCP-1 $\alpha$ Polyclonal Antibody detects endogenous levels of TCP-1 $\alpha$ protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	$\geq 90\%$
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	TCP1; CCT1; CCTA; T-complex protein 1 subunit alpha; TCP-1-alpha; CCT-alpha
<b>Observed Band</b>	60kD
<b>Cell Pathway</b>	Cytoplasm, cytosol . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome .
<b>Tissue Specificity</b>	Brain,Cajal-Retzius cell,Colon,Epithelium,Platelet,Testis,
<b>Function</b>	function:Molecular chaperone; assists the folding of proteins upon ATP hydrolysis. Known to play a role, in vitro, in the folding of actin and tubulin.,similarity:Belongs to the TCP-1 chaperonin family.,subunit:Heterooligomeric complex of about 850 to 900 kDa that forms two stacked rings, 12 to 16 nm in diameter. Interacts with PACRG.,
<b>Background</b>	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. [provided by RefSeq, Jun 2010],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**