

TCP-1  $\alpha$  Polyclonal Antibody

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| <b>Catalog No :</b>          | YT4583  |
| <b>Reactivity :</b>          | Human;Mouse;Rat   |
| <b>Applications :</b>        | WB;ELISA  |
| <b>Target :</b>              | TCP-1 $\alpha$  |
| <b>Gene Name :</b>           | TCP1  |
| <b>Protein Name :</b>        | T-complex protein 1 subunit alpha   |
| <b>Human Gene Id :</b>       | 6950  |
| <b>Human Swiss Prot No :</b> | P17987  |
| <b>Mouse Gene Id :</b>       | 21454   |
| <b>Mouse Swiss Prot No :</b> | P11983  |
| <b>Rat Gene Id :</b>         | 24818   |
| <b>Rat Swiss Prot No :</b>   | P28480  |
| <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>Dilution :</b>            | WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.  |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |

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| <b>Concentration :</b>        | 1 mg/ml   |
| <b>Storage Stability :</b>    | -15°C to -25°C/1 year(Do not lower than -25°C)  |
| <b>Observed Band :</b>        | 60kD  |
| <b>Background :</b>           | <p>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],</p> |
| <b>Function :</b>             | <p>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.,</p>  |
| <b>Subcellular Location :</b> | Cytoplasm, cytosol . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome .   |
| <b>Expression :</b>           | Brain,Cajal-Retzius cell,Colon,Epithelium,Platelet,Testis,  |
| <b>Sort :</b>                 | 17004   |
| <b>No4 :</b>                  | 1   |
| <b>Host :</b>                 | Rabbit  |
| <b>Modifications :</b>        | Unmodified  |

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