

## Rabbit TCP1 Polyclonal Antibody | anti-TCP1 antibody

TCP1 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                       |
|-----------|--------|-------------------|------------------------------------------------------------------------------------|
| AAA326478 | Rabbit | Human, Mouse, Rat | ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

TCP1; Polyclonal Antibody; TCP1 Antibody; AI528772; c-cpn; CCT alpha; CCT; CCT-alpha; CCT1; Ccta; CCTalpha; D6S230E; MGC133746; p63; T complex 1; T complex protein 1 alpha subunit; T complex protein 1; T-complex homolog TCP1; T-complex protein 1 subunit alpha; T-complex protein 1 subunit alpha B; Tailless complex polypeptide 1; Tailless complex polypeptide 1A; Tailless complex polypeptide 1B; TCP 1 alpha; Tcp-1; TCP-1-alpha; TCPA\_HUMAN; Tp63; TRic; anti-TCP1 antibody

### PRODUCT SPECIFICATIONS

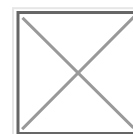
|                                                |                                                                                                          |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                   |
| Reactivity                                     | Human, Mouse, Rat                                                                                        |
| Clonality                                      | Polyclonal                                                                                               |
| Isotype                                        | IgG                                                                                                      |
| Specificity                                    | TCP1 antibody detects endogenous levels of total TCP1 alpha.                                             |
| Purity/Purification                            | Peptide affinity purification                                                                            |
| Form/Format                                    | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.            |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                   |
| Sequence Length                                | 556                                                                                                      |
| Applicable Applications for anti-TCP1 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| Immunogen                                      | A synthesized peptide derived from human TCP1                                                            |
| Preparation and Storage                        | Store at -20°C. Stable for 12 months from date of receipt.                                               |

### IMAGES



#### IHC (Immunohistochemistry)

AAA326478 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



#### WB (Western Blot)

Western blot analysis of HeLa whole cell lysates, using TCP1 Antibody. The lane on the left is treated with the antigen-specific peptide.



#### IF (Immunofluorescence)

AAA326478 staining JK by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-TCP1 antibody | Description: 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. |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| NCBI GI #                        | 57863257                                    |
| NCBI GeneID                      | 6950                                        |
| NCBI Accession #                 | NP_110379.2                                 |
| NCBI GenBank Nucleotide #        | NM_030752.2                                 |
| UniProt Accession #              | P17987; Q15556; Q5TCM3; E1P5B2              |
| Molecular Weight                 | 60 kDa                                      |
| NCBI Official Full Name          | T-complex protein 1 subunit alpha isoform a |
| NCBI Official Synonym Full Names | t-complex 1                                 |
| NCBI Official Symbol             | TCP1                                        |
| NCBI Official Synonym Symbols    | CCT1; CCTa; D6S230E; CCT-alpha; TCP-1-alpha |
| NCBI Protein Information         | T-complex protein 1 subunit alpha           |
| UniProt Protein Name             | T-complex protein 1 subunit alpha           |
| UniProt Gene Name                | TCP1                                        |
| UniProt Synonym Gene Names       | CCT1; CCTA; TCP-1-alpha                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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