

# Anti-TCP1 Antibody (clone 2B2-D6)

Mouse Anti Human Monoclonal Antibody

Catalog # ALS17821

## Product Information

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|-----------------------|------------------------|
| Application           | WB, IHC-P, IF, E       |
| Primary Accession     | <a href="#">P17987</a> |
| Predicted             | Human                  |
| Host                  | Mouse                  |
| Clonality             | Monoclonal             |
| Isotype               | IgG1,k                 |
| Clone Names           | 2B2-D6                 |
| Calculated MW         | 60344                  |
| Concentration (mg/ml) | 1 mg/ml                |

## Additional Information

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|--------------------------|---------------------------------------------------------------------------------------------------------------------|
| Gene ID                  | 6950                                                                                                                |
| Alias Symbol             | TCP1                                                                                                                |
| Other Names              | TCP1, CCTA, CCT-alpha, D6S230E, T-complex 1, TCP-1-alpha, Tailless complex polypeptide 1, CCT1                      |
| Target/Specificity       | Human T-complex 1                                                                                                   |
| Reconstitution & Storage | Protein A purified                                                                                                  |
| Precautions              | Anti-TCP1 Antibody (clone 2B2-D6) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| Name              | TCPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Function          | Component of the chaperonin-containing T-complex (TRiC), a molecular chaperone complex that assists the folding of actin, tubulin and other proteins upon ATP hydrolysis (PubMed: <a href="#">25467444</a> , PubMed: <a href="#">36493755</a> , PubMed: <a href="#">35449234</a> , PubMed: <a href="#">37193829</a> ). The TRiC complex mediates the folding of WRAP53/TCAB1, thereby regulating telomere maintenance (PubMed: <a href="#">25467444</a> ). As part of the TRiC complex may play a role in the assembly of BBosome, a complex involved in ciliogenesis regulating transports vesicles to the cilia (PubMed: <a href="#">20080638</a> ). |
| Cellular Location | Cytoplasm, cytosol. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.