

# Product Datasheet

## TCP1 alpha Antibody (2B2-D6) - Azide and BSA Free H00006950-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00006950-M01**

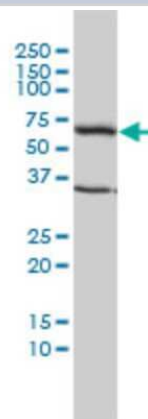
TCP1 alpha Antibody (2B2-D6) - Azide and BSA Free

| Product Information         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size                   | 0.1 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Concentration               | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Storage                     | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Clonality                   | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clone                       | 2B2-D6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Preservative                | No Preservative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Isotype                     | IgG1 Kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Purity                      | IgG purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Buffer                      | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product Description         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Description                 | Quality control test: Antibody Reactive Against Recombinant Protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Host                        | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene ID                     | 6950                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Symbol                 | TCP1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Species                     | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity/Sensitivity     | TCP1 - t-complex 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Immunogen                   | TCP1 (AAH00665, 1 a.a. ~ 556 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.<br>MEGPLSVFGDRSTGETIRSQNVMAAASIANIVKSSFGPVGGLDKMLVDDIGDVTIT<br>NDGATILKLLEVEHPAAKVLCELADLQDKEVGDTTSVVIIEALLKNADELVKQ<br>KIHPTSVISGYRLACKEAVRYINENLIVNTDELGRDCLINAAKTSMSKIIIGINGDF<br>FANMVVDAVLAIKYTDIRGQPRYPVNSVNLKAHGRSQMESMLISGYALNCVVG<br>SQGMPKRIVNAKIACLDLQKTKMKLGVQVITDPEKLDQIRQRESIDTKERIQ<br>KILATGANVILTTGGIDDMCLKYFVEAGAMAVRRVLKRDLCRIAKASGATILSTLA<br>NLEGEETFEAAMLGQAEEVVQERICDDELILIKNTKARTSASIILRGANDFMCDE<br>MERSLHDALCVVKRVLESKSVVPGGGAVEAALSIYLENYATSMGSREQLAIEF<br>ARSLLVIPNTLAVNAAQDSTDLVAKLRAFHNQAQVNPENKLNKWLGLDLSNGKP<br>RDNKQAGVFEPITVKVSLKFATEAAITILRIDDLIKLHPESKDDKHGSYEDAVHS<br>GALND |
| Notes                       | This product is produced by and distributed for Abnova, a company based in Taiwan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Product Application Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Applications                | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Recommended Dilutions       | Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Application Notes           | Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF, IHC-P and ELISA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |



## Images

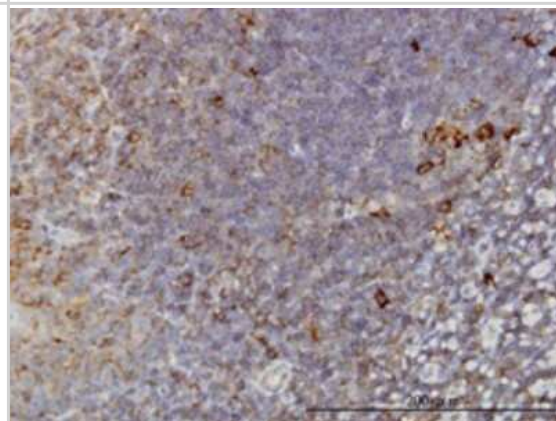
Western Blot: TCP1 alpha Antibody (2B2-D6) [H00006950-M01] - TCP1 monoclonal antibody (M01), clone 2B2-D6 Analysis of TCP1 expression in Hela.



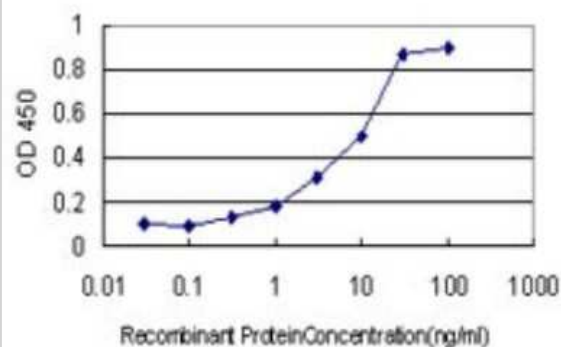
Immunocytochemistry/Immunofluorescence: TCP1 alpha Antibody (2B2-D6) [H00006950-M01] - Analysis of monoclonal antibody to TCP1 on HeLa cell. Antibody concentration 10 ug/ml.



Immunohistochemistry-Paraffin: TCP1 alpha Antibody (2B2-D6) [H00006950-M01] - Analysis of monoclonal antibody to TCP1 on formalin-fixed paraffin-embedded human tonsil. Antibody concentration 3 ug/ml.



ELISA: TCP1 alpha Antibody (2B2-D6) [H00006950-M01] - Detection limit for recombinant GST tagged TCP1 is approximately 0.1ng/ml as a capture antibody.



## Publications

Abby G, Rachel D, David O et al. Interaction with the CCT chaperonin complex limits APOBEC3A cytidine deaminase cytotoxicity. EMBO Rep. 2021-08-04 [PMID: 34347354]

Pines A, Dijk M, Makowski M et al. TRiC controls transcription resumption after UV damage by regulating Cockayne syndrome protein A. Nat Commun 2018-03-12 [PMID: 29531219]

Seo S, Baye LM, Schulz NP et al. BBS6, BBS10, and BBS12 form a complex with CCT/TRiC family chaperonins and mediate BBSome assembly. Proc Natl Acad Sci U S A 107(4):1488-93. 2010-01-26 [PMID: 20080638]



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**Products Related to H00006950-M01**

|                   |                                                         |
|-------------------|---------------------------------------------------------|
| HAF007            | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B           | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg  | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| NBP1-50854-0.05mg | Recombinant Human TCP1 alpha His Protein                |

**Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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