

# Product Datasheet

## TCP1-beta Antibody (2G6) - Azide and BSA Free H00010576-M01

Unit Size: 0.1 mg

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

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**H00010576-M01**

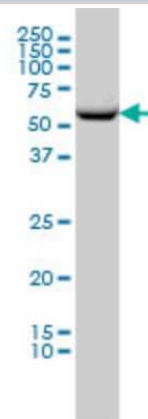
TCP1-beta Antibody (2G6) - Azide and BSA Free

Product Information	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	2G6
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
Product Description	
<b>Description</b>	Novus Biologicals Mouse TCP1-beta Antibody (2G6) - Azide and BSA Free (H00010576-M01) is a monoclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-TCP1-beta Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	10576
<b>Gene Symbol</b>	CCT2
<b>Species</b>	Human, Mouse, Hamster
<b>Reactivity Notes</b>	Human. Other species not tested.
<b>Specificity/Sensitivity</b>	CCT2 - chaperonin containing TCP1, subunit 2 (beta)
<b>Immunogen</b>	CCT2 (NP_006422, 117 a.a. ~ 217 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. IAKKIHPQTIAGWREATKAAREALLSSAVDHGSDEVKFRQDLMNIAGTTLSSKL LTHHKDHFTKLAVEAVLRLKGSNLEAIHIIKKLGGSLADSYLDEG
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA
<b>Application Notes</b>	Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for immunofluorescence and ELISA.

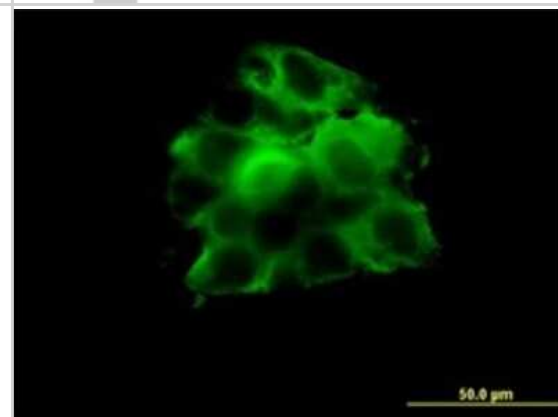


## Images

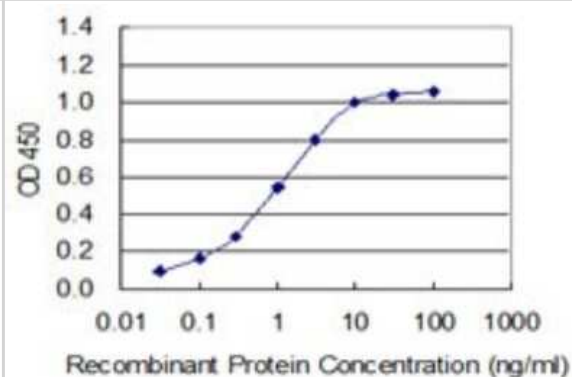
Western Blot: TCP1-beta Antibody (2G6) [H00010576-M01] - CCT2 monoclonal antibody (M01), clone 2G6 Analysis of CCT2 expression in A-431.



Immunocytochemistry/Immunofluorescence: TCP1-beta Antibody (2G6) [H00010576-M01] - Analysis of monoclonal antibody to CCT2 on A-431 cell. Antibody concentration 10 ug/ml.



Sandwich ELISA: TCP1-beta Antibody (2G6) [H00010576-M01] - Detection limit for recombinant GST tagged CCT2 is 0.03 ng/ml as a capture antibody.



## Publications

Wu CA, Chang LC, Lin YF et al. Chaperonin-Containing t-Complex Protein-1 Subunit? as a Possible Biomarker for the Phase of Glomerular Hyperfiltration of Diabetic Nephropathy. Dis Markers

Halbert D, Domenyuk V, Spetzler D et al. Aptamers and uses thereof United States Patent Application US 9958448 B2 2018-01-01

Wu CA, Chang LC, Lin YF et al. Chaperonin-Containing t-Complex Protein-1 Subunitbeta as a Possible Biomarker for the Phase of Glomerular Hyperfiltration of Diabetic Nephropathy. Disease Markers. 2016-01-01 [PMID: 27069298]

Wu CA, Chang LC, Lin YF et al. Chaperonin-containing t-complex protein-1 subunit beta as a possible biomarker for the phase of glomerular hyperfiltration of diabetic nephropathy. Dis Markers 2015-01-01 [PMID: 25944975]

Machida K, Masutani M, Kobayashi T et al. Reconstitution of the human chaperonin CCT by co-expression of the eight distinct subunits in mammalian cells. Protein Expr Purif. 2012-03-01 [PMID: 22133715] (WB)

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 H00010576-M01**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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### **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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