# antibodies - online.com







## anti-CCT2 antibody (AA 414-535)





Overview		
Quantity:	100 μg	
Target:	CCT2	
Binding Specificity:	AA 414-535	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	
Product Details		
Purpose:	Rabbit IgG polyclonal antibody for T-complex protein 1 subunit beta(CCT2) detection. Tested with WB, IHC-P in Human, Mouse, Rat.	
Immunogen:	E.coli-derived human TCP1 beta recombinant protein (Position: E414-C535). Human TCP1 beta shares 95.9% and 93.4% amino acid (aa) sequence identity with mouse and rat TCP1 beta, respectively.	
Isotype:	IgG	
Cross-Reactivity (Details):	No cross reactivity with other proteins.	
Characteristics:	Rabbit IgG polyclonal antibody for T-complex protein 1 subunit beta(CCT2) detection. Tested with WB, IHC-P in Human, Mouse, Rat.  Gene Name: chaperonin containing TCP1 subunit 2  Protein Name: T-complex protein 1 subunit beta	
Purification:	Immunogen affinity purified.	

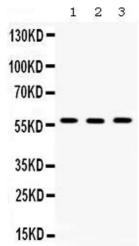
### Target Details

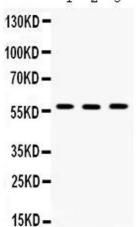
Target:	CCT2	
Alternative Name:	CCT2 (CCT2 Products)	
Background:	T-complex protein 1 subunit beta (TCP1 beta) is a protein that in humans is encoded by the	
	CCT2 gene. The protein encoded by this gene is a molecular chaperone that is a member of the	
	chaperonin containing TCP1 complex (CCT), also 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. Two	
	transcript variants encoding different isoforms have been found for this gene.	
	Synonyms: 99D8.1   CCT 2   CCT2   CCT beta   CCT-beta   CCTB   HEL S 100n   PRO1633   TCP 1	
	beta   TCP-1-beta   P78371	
Gene ID:	10576	
UniProt:	P78371	
Application Details		
Application Notes:	WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human, Mouse, Rat	
	IHC-P: Concentration: 0.5-1 μg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by	
	Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the	
	staining of formalin/paraffin sections.	
	Notes: Tested Species: Species with positive results. Other applications have not been tested.	
	Optimal dilutions should be determined by end users.	
Comment:	Optimal dilutions should be determined by end users.  Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by	
Comment:		
Comment:  Restrictions:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by	
	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).	
Restrictions:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).	
Restrictions: Handling	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).  For Research Use only	
Restrictions: Handling Format:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).  For Research Use only  Lyophilized	
Restrictions: Handling Format: Reconstitution:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).  For Research Use only  Lyophilized  Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.	

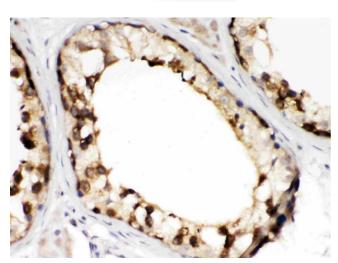
#### Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month.  It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

#### **Images**





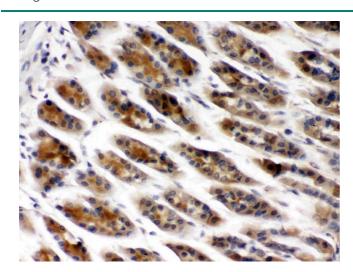


#### **Western Blotting**

Image 1. Western blot analysis of TCP1 beta expression in rat testis extract (Lane 1), mouse spleen extract (Lane 2) and SW620 whole cell lysates (Lane 3). TCP1 beta at 57KD was detected using rabbit anti- TCP1 beta Antigen Affinity purified polyclonal antibody (Catalog # ) at 0.5  $\mu$ g/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).

#### **Immunohistochemistry**

Image 2. TCP1 beta was detected in paraffin-embedded sections of human testis tissues using rabbit anti- TCP1 beta Antigen Affinity purified polyclonal antibody (Catalog # ) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



#### **Immunohistochemistry**

**Image 3.** TCP1 beta was detected in paraffin-embedded sections of mouse gaster tissues using rabbit anti- TCP1 beta Antigen Affinity purified polyclonal antibody (Catalog # ) at 1 ??g/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).

Please check the product details page for more images. Overall 4 images are available for ABIN4886512.