

Rabbit TCP1 delta Polyclonal Antibody | anti-CCT4 antibody

Anti-TCP1 delta Antibody

CATALOG # AAA11672	HOST Rabbit	REACTIVITY Human, Mouse, Rat No cross reactivity with other proteins.	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

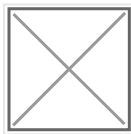
TCP1 delta; Polyclonal Antibody; Anti-TCP1 delta Antibody; CCT delta; CCT4; CCT 4; CCTD; CCT D; SRB; TCP-1-delta; P50991; T-complex protein 1 subunit delta; chaperonin containing TCP1 subunit 4; anti-CCT4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	509
Applicable Applications for anti-CCT4 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Western Blot: 0.1-0.5µg/ml; Tested Species: Human, Mouse, Rat Immunohistochemistry Paraffin: 0.5-1µg/ml; Tested Species: Human, Mouse, Rat Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Immunogen	E Coli-derived human TCP1 delta recombinant protein (Position: R452-R539). Human TCP1 delta shares 97.7% amino acid (aa) sequence identity with both mouse and rat TCP1 delta.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500µg/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



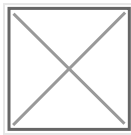
Application Data



IHC (Immunohistochemistry)
Figure 10. IHC analysis of TCP1 delta using anti-TCP1 delta antibody (AAA11672).TCP1 delta was detected in frozen section of rat brain tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TCP1 delta Antibody (AAA11672) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 10. IHC analysis of TCP1 delta using anti-TCP1 delta antibody (AAA11672).TCP1 delta was detected in frozen section of rat brain tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TCP1 delta Antibody (AAA11672) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 9. IHC analysis of TCP1 delta using anti-TCP1 delta antibody (AAA11672).TCP1 delta was detected in frozen section of mouse brain tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TCP1 delta Antibody (AAA11672) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 8. IHC analysis of TCP1 delta using anti-TCP1 delta antibody (AAA11672).TCP1 delta was detected in immunocytochemical section of SHG-44 cell. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TCP1 delta Antibody (AAA11672) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



ICC (Immunocytochemistry)
Figure 7. IHC analysis of TCP1 delta using anti-TCP1 delta antibody (AAA11672).TCP1 delta was detected in immunocytochemical section of NRK cell. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TCP1 delta Antibody (AAA11672) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-CCT4 antibody	Rabbit IgG polyclonal antibody for T-complex protein 1 subunit delta (CCT4) detection. Background: T-complex protein 1 subunit delta is a protein that in humans is encoded by the CCT4 gene. This gene is mapped to 2p15. The chaperonin containing TCP1 complex (CCT), also called the TCP1 ring complex, consists of 2 back-to-back rings, each containing 8 unique but homologous subunits, such as CCT4. CCT assists the folding of newly translated polypeptide substrates through multiple rounds of ATP-driven release and rebinding of partially folded intermediate forms. Substrates of CCT include the cytoskeletal proteins actin and tubulin, as well as alpha-transducin.
References	1. Lee, M.-J., Stephenson, D. A., Groves, M. J., Sweeney, M. G., Davis, M. B., An, S.-F., Houlden, H., Salih, M. A. M., Timmerman, V., de Jonghe, P., Auer-Grumbach, M., Di Maria, E., Scaravilli, F., Wood, N. W., Reilly, M. M. Hereditary sensory neuropathy is caused by a mutation in the delta subunit of the cytosolic chaperonin-containing t-complex peptide-1 (Cct4) gene. Hum. Molec. Genet. 12: 1917-1925, 2003. 2. Won, K.-A., Schumacher, R. J., Farr, G. W., Horwich, A. L., Reed, S. I. Maturation of human cyclin E requires the function of eukaryotic chaperonin CCT. Molec. Cell. Biol. 18: 7584-7589, 1998.

NCBI AND UNIPROT INFORMATION

NCBI GI #	375477430
NCBI GeneID	10575

NCBI Accession #	NP_001243650.1
NCBI GenBank Nucleotide #	NM_001256721.1
UniProt Accession #	P50991 ; O14870 ; Q53QP9 ; Q96C51 ; B2R6I3 ; B7Z8B1 ; F5H5W3
Molecular Weight	54,720 Da
NCBI Official Full Name	T-complex protein 1 subunit delta isoform b
NCBI Official Synonym Full Names	chaperonin containing TCP1 subunit 4
NCBI Official Symbol	CCT4
NCBI Official Synonym Symbols	SRB; Cctd; CCT-DELTA
NCBI Protein Information	T-complex protein 1 subunit delta
UniProt Protein Name	T-complex protein 1 subunit delta
UniProt Gene Name	CCT4
UniProt Synonym Gene Names	CCTD; SRB; TCP-1-delta
UniProt Entry Name	TCPD_HUMAN

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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tcp1-delta-antibody-western-blot-immunohistochemistry-elisa/11672>