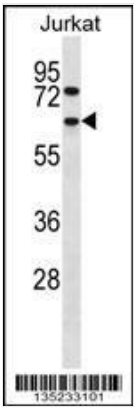
CCT4 Antibody – Rabbit Polyclonal

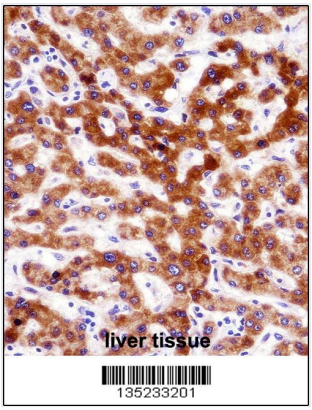
PRODUCT OVERVIEW

Product Name	CCT4, Polyclonal Antibody
Full Product Name	CCT4, NT (CCT4, CCTD, SRB, T-complex protein 1 subunit delta, CCT-delta, Stimulator of TAR RNA-binding) (Azide free) (HRP)
Product Gene Name	anti-CCT4 antibody
Product Synonym Names	CCT4; CCTD; SRB; T-complex protein 1 subunit delta; CCT-delta; Stimulator of TAR RNA-binding
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	57,924 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (62095262..62115791, complement). Location: 2p15
OMIM	605142
3D Structure	ModBase 3D Structure for P50991
Immunogen	CCT4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 3-32 amino acids from the N-terminal region of human CCT4.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-CCT4 antibody	Antibodies; Binding Proteins
Applications Tested/Suitable for anti-CCT4 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-CCT4 antibody	IHC: 1:10-50 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-CCT4 antibody	The chaperonin containing TCP1 (MIM 186980) 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 (see MIM 102560) and tubulin (see MIM 191130), as well as alpha-transducin (MIM 139330) (Won et al., 1998 [PubMed 9819444]).

Product References and Citations for anti-CCT4 antibody	Mukherjee, K., et al. BMC Evol. Biol. 10, 64 (2010): Zebol, J.R., et al. Int. J. Biochem. Cell Biol. 41(4):822-827(2009). Chi, A., et al. J. Proteome Res. 5(11):3135-3144(2006). Hillier, L.W., et al. Nature 434(7034):724-731(2005). Imai, Y., et al. J. Biol. Chem. 278(51):51901-51910(2003).
Other Notes	Small volumes of anti-CCT4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CCT4 purchase	MBS6282667 is an antibody targeting CCT4. Also known as CCT4, NT (CCT4, CCTD, SRB, T-complex protein 1 subunit delta, CCT-delta, Stimulator of TAR RNA-binding) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-CCT4 antibody
CCT4 Antibody (N-term) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the CCT4 antibody detected the CCT4 protein (arrow).



Immunohistochemistry (IHC) of anti-CCT4 antibody
CCT4 Antibody (N-term) (AP14904a)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CCT4 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CCT4. It may not necessarily be applicable to this product.

NCBI GI #	38455427
NCBI GeneID	10575
NCBI Accession #	NP_006421.2
UniProt Primary Accession #	P50991
UniProt Secondary Accession #	O14870; Q53QP9; Q96C51; B2R6I3
UniProt Related Accession #	P50991
GenBank Nucleotide #	NM_006430.2
NCBI Official Full Name	T-complex protein 1 subunit delta
NCBI Official Synonym Full Names	chaperonin containing TCP1, subunit 4 (delta)
NCBI Official Symbol	CCT4
NCBI Official Synonym Symbols	SRB; Cctd; CCT-DELTA; MGC126164; MGC126165
UniProt Protein Name	T-complex protein 1 subunit delta
UniProt Synonym Protein Names	CCT-delta; Stimulator of TAR RNA-binding
Protein Family	T-complex protein
UniProt Gene Name	CCT4
UniProt Synonym Gene Names	CCTD; SRB; TCP-1-delta
UniProt Entry Name	TCPD_HUMAN

NCBI Protein Information	T-complex protein 1 subunit delta; TCP-1-delta; OTTHUMP00000201357; stimulator of TAR RNA-binding; chaperonin containing t-complex polypeptide 1, delta subunit
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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