

TCP1 theta Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51872

Product Information

Application	WB
Primary Accession	P50990
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59621

Additional Information

Gene ID	10694
Other Names	T-complex protein 1 subunit theta, TCP-1-theta, CCT-theta, Renal carcinoma antigen NY-REN-15, CCT8, C21orf112, CCTQ, KIAA0002
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TCP1 theta. The exact sequence is proprietary.
Dilution	WB~~ 1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	CCT8
Synonyms	C21orf112, CCTQ, KIAA0002
Function	Component of the chaperonin-containing T-complex (TRiC), a molecular chaperone complex that assists the folding of actin, tubulin and other proteins upon ATP hydrolysis (PubMed: 25467444 , PubMed: 36493755 , PubMed: 35449234 , PubMed: 37193829). The TRiC complex mediates the folding of WRAP53/TCAB1, thereby regulating telomere maintenance (PubMed: 25467444). As part of the TRiC complex may play a role in the assembly of BBSome, a complex involved in ciliogenesis regulating transports vesicles to the cilia (PubMed: 20080638).
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250 UniProtKB:P42932}

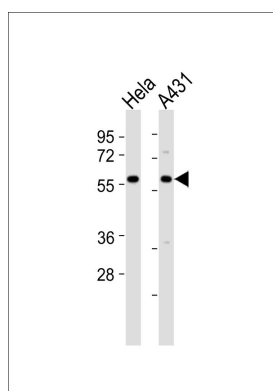
Background

Molecular chaperone; assists the folding of proteins upon ATP hydrolysis. As part of the BBS/CCT complex may play a role in the assembly of BBSome, a complex involved in ciliogenesis regulating transports vesicles to the cilia. Known to play a role, in vitro, in the folding of actin and tubulin.

References

Nomura N.,et al.DNA Res. 1:27-35(1994).
Yamazaki M.,et al.DNA Res. 2:187-189(1995).
Taudien S.,et al.Submitted (FEB-1999) to the EMBL/GenBank/DDBJ databases.
Hattori M.,et al.Nature 405:311-319(2000).
Bienvenut W.V.,et al.Submitted (OCT-2004) to UniProtKB.

Images



All lanes : Anti-TCP1 theta Antibody at 1:1000 dilution
Lane 1: HeLa whole cell lysates Lane 2: A431 whole cell lysates
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution
Predicted band size : 60 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.