10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-TCP1 zeta Antibody

Catalog # AP51873

Product Information

Application	WB, IF/IC
Primary Accession	P40227
Reactivity	Human, Mouse, Rat, Rabbit, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58024

Additional Information

Gene ID	908
Other Names	CCT6; CCTZ; T-complex protein 1 subunit zeta; TCP-1-zeta; Acute morphine dependence-related protein 2; CCT-zeta-1; HTR3; Tcp20
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TCP1 zeta. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

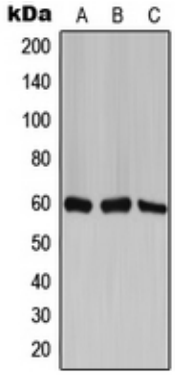
Protein Information

Name	CCT6A
Synonyms	CCT6, CCTZ
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).
Cellular Location	Cytoplasm.

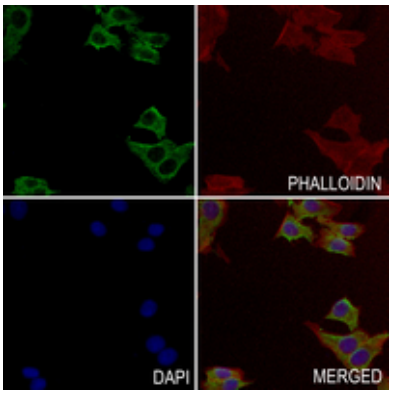
References

Li W.-Z.,et al.J. Biol. Chem. 269:18616-18622(1994).
Lee Y.-K.,et al.Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.
Wang H.,et al.Submitted (JUN-2001) to the EMBL/GenBank/DDBJ databases.
Hillier L.W.,et al.Nature 424:157-164(2003).
Segel G.B.,et al.Proc. Natl. Acad. Sci. U.S.A. 89:6060-6064(1992).

Images



Western blot analysis of TCP1 zeta expression in H1299 (A), mouse brain (B), PC12 (C) whole cell lysates. (Predicted band size: 53; 58 kD; Observed band size: 58 kD)



Immunofluorescent analysis of TCP1 zeta staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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