

Product Name: KD-Validated CCT2 beta Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00350

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 57.5kDa

Antigen Information

Gene Name	CCT2
Alternative Names	CCT2; Chaperonin Containing TCP1 Subunit 2; Cctb; Chaperonin Containing TCP1, Subunit 2 (Beta); T-Complex Protein 1 Subunit Beta; TCP-1-Beta; CCT-Beta; 99D8.1; Chaperonin Containing T-Complex Polypeptide 1, Beta Subunit; Chaperonin Containing T-Complex Polypeptide 1, Subunit 2; Chaperonin Containing T-Complex Polypeptide 1 Subunit 2; Epididymis Secretory Sperm Binding Protein Li 100n; T-Complex Protein 1, Beta Subunit; HEL-S-100n; PRO1633; CCTB
Gene ID	10576.0
SwissProt ID	P78371
Immunogen	A synthesized peptide derived from human TCP 1 beta

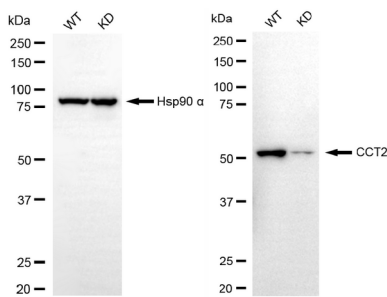
Background

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. [provided by RefSeq, Nov 2010]

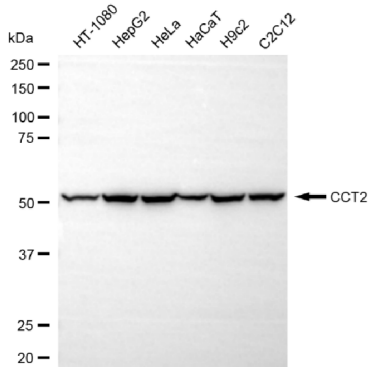
Research Area

Signal Transduction

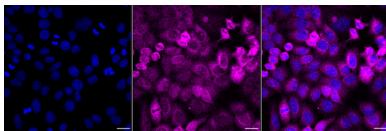
Image Data



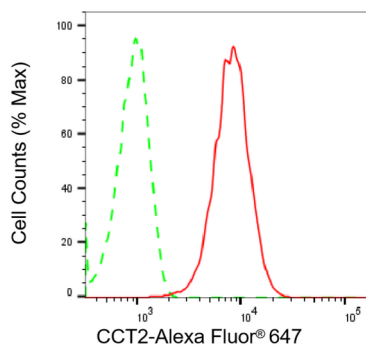
Western blotting analysis using CCT2 antibody (KVA00350). CCT2 expression in wild-type (WT) and CCT2 knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CCT2 antibody (KVA00350, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using CCT2 antibody (KVA00350). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CCT2 antibody (KVA00350, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with CCT2 antibody (KVA00350, 1:1,000). Nuclei were stained blue with DAPI; CCT2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of CCT2 expression in HepG2 cells using CCT2 antibody (KVA00350, 1:2,000). Green, isotype control; red, CCT2.

