

## Anti-CCT2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

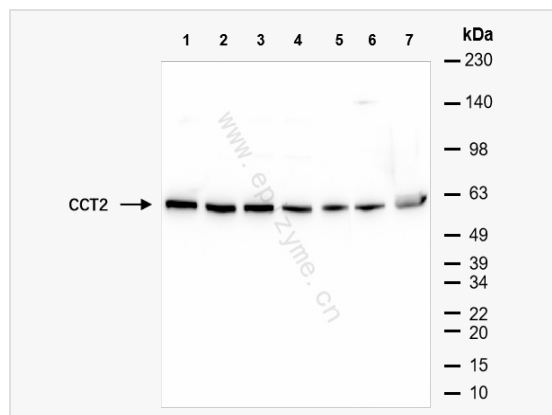
Catalog # R013159

### Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	51L53M37
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human CCT2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-CCT2 Rabbit mAb [51L53M37] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	99D8.1, CCT 2, CCT beta, CCT-beta, CCT2, CCTB, Chaperonin containing t complex polypeptide 1 beta subunit, Chaperonin containing t complex polypeptide 1 subunit 2, Chaperonin containing TCP1 subunit 2, Chaperonin containing TCP1 subunit 2 (beta), CTP:phosphocholine cytidylyltransferase 2, Epididymis secretory sperm binding protein Li 100n, HEL S 100n, MGC142074, MGC142076, MGC94480, PRO1633, T complex protein 1 beta subunit, T complex protein 1 subunit beta, T-complex protein 1 subunit beta, TCP 1 beta, TCP-1-beta, TCPB_HUMAN.
Calculated MW	Calculated MW: 57 kDa; Observed MW: 57 kDa
Uniprot ID	P78371
Gene ID	10576
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]
Cellular Location	Cytoplasm.



Western Blot - Anti-CCT2 Rabbit mAb [51L53M37]

All lanes: R013159 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lane 6: Rat spleen whole tissue lysates

Lane 7: Mouse heart whole tissue lysates

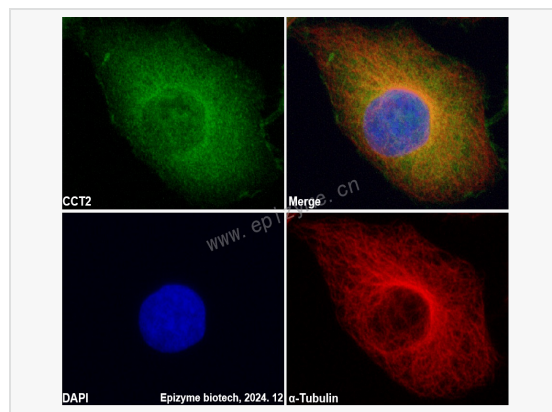
Lysates/proteins at 10  $\mu$ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 57 kDa

Observed band size: 57 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-CCT2 Rabbit mAb [51L53M37]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R013159 at 1:100 dilution and  $\alpha$ -tubulin Mouse Monoclonal

Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and

Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).