



Anti-CCT2 monoclonal antibody, clone PK/8/4/4i/2F (CABT-52814RC)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This product recognises the beta polypeptide of the CCT chaperonin molecule complex. The intact CCT complex is composed of eight polypeptides in a double-ring structure. CCT is important within cells in aiding the folding of proteins including actin, tubulin and the VHL tumour suppressor protein. Western Blotting detects a band of approximately 60kD in lysates of heat shocked HeLa cells.
Specificity	CCT BETA
Isotype	IgG2b
Source/Host	Rat
Species Reactivity	Human, Bovine, Chicken, Dog, Hamster, Monkey, Mouse, Pig, Rabbit, Rat, Sheep
Clone	PK/8/4/4i/2F
Conjugate	Unconjugated
Applications	WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	0.09% Sodium Azide
Storage	in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CCT2 chaperonin containing TCP1, subunit 2 (beta) [Homo sapiens (human)]
Official Symbol	CCT2
Synonyms	CCT2; chaperonin containing TCP1, subunit 2 (beta); CCTB; 99D8.1; PRO1633; CCT-beta; HEL-S-100n; TCP-1-beta; T-complex protein 1 subunit beta; T-complex protein 1, beta subunit; epididymis secretory sperm binding protein Li 100n; chaperonin containing t-c
Entrez Gene ID	10576
Protein Refseq	NP_001185771
UniProt ID	P78371
Chromosome Location	12q15
Pathway	Assembly of the primary cilium; Association of TriC/CCT with target proteins during biosynthesis; BBSome-mediated cargo-targeting to cilium; Cargo trafficking to the periciliary membrane; Chaperonin-mediated protein folding; Cooperation of Prefoldin and TriC/CCT in actin and tubulin folding; Folding of actin by CCT/TriC; Formation of tubulin folding intermediates by CCT/TriC;
Function	ATP binding; protein binding; ubiquitin protein ligase binding; unfolded protein binding;