OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA328106

Tcp1 Mouse Monoclonal Antibody [Clone ID: F39P7F11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	F39P7F11
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human, Mouse, Rat, Frog
Host:	Mouse
Isotype:	IgG2a, kappa
Clonality:	Monoclonal
Immunogen:	Ovalbumin-conjugated synthetic Peptide RKRVPDHHPC
Formulation:	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide at 0.5 mg/ml.
Concentration:	lot specific
Purification:	The antibody was purified by affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	57 kD
Gene Name:	t-complex protein 1
Database Link:	NP_038714 Entrez Gene 6950 HumanEntrez Gene 24818 RatEntrez Gene 21454 Mouse P11983

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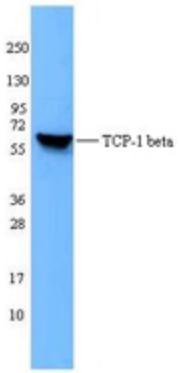
Background: TCP-1β (Chaperonin containing T complex polypeptide 1, subunit 2) belongs to the TCP-1 chaperonin family, predicted molecular weight 57 kD. Chaperonin-containing TCP-1 is a large multisubunit complex of 800-900 kD, a protein complex considered to be the cytosolic homologue of mitochondrial HSP60. TCP-1β has been shown to interact with β-actin, 14-3-3, SUMO4, TCP-1α, β-Tubulin, α-Tubulin and CCT8. In vitro, TCP-1βmediates the ATP-dependent folding of tubulin, actin, and α-transducin. This protein is also essential for cyclin E maturation and accumulation.Clone F39P7F11has been shown to be useful for western blotting and immunohistochemistry of human, mouse, rat and Frog TCP-1β.

Synonyms: CCT-alpha; CCT1; CCTa; D6S230E; TCP-1-alpha

Product images:



HepG2 cell extracts were resolved by electrophoresis, transferred to nitrocellulose, and probed with purified monoclonal TCP-1β antibody (clone F39P7F11). Proteins were visualized using a goat anti-mouse-IgG secondary conjugated to HRP and chemiluminescence detection.