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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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T-Complex Protein 1, subunit. Mouse Monoclonal Antibody

TCP-1b; Chaperonin containing TCP1, subunit 2 (beta); CCT-beta; CCTB

Background

The protein TCP-1 (t-complex polypeptide 1) is a subunit of the hetero-oligomeric complex CCT (chaperonin containing TCP-1) present in the eukaryotic cytosol. The CCT of eukaryotic cytosol is composed of eight different subunit species that are proposed to have independent functions in folding its in vivo substrates, the Actins and Tubulins. TCP-1 was first identified in the mouse as relevant for tail-less and embryonic lethal phenotypes. Sequences homologous to TCP-1 have been isolated in several other species, and the yeast TCP-1 has been shown to encode a molecular chaperone for Actin and Tubulin. TCP-1 found in mammalian cells and yeast plays an important role in the folding of cytosolic proteins.

Ordering Information

Catalog Number
X2069M

Size
200 µg

Form
Unconjugated

Host/Clone
Mouse Clone F39 P7 F11

Formulation
Provided as solution in phosphate buffered saline with 0.08% sodium azide

Concentration
See vial for concentration

Isotype
IgG2a

Applications
Western Blot, Immunohistochemistry

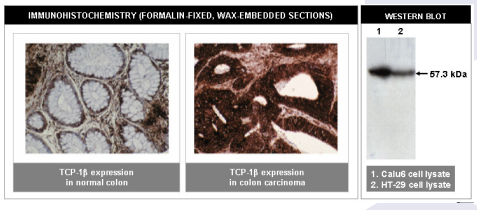
Species Reactivity
Human, Frog, Mouse, Rat

Accession Number

Human	P47207

Immunogen

Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with a synthetic peptide derived from the C-terminal of the TCP -1β protein and mouse myeloma Ag8563 cells. Sequence common in human, frog, mouse, rat



Left and Center: Immunohistochemical staining of normal (left) and cancerous (center) colon tissue using TCP-1β antibody (Cat. No. X2069M).
Right: Western blot analysis using TCP-1β antibody on Calu6 (1) and HT-29 (2) cell lysates.

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Positive Control/Tissue Expression

Colorectal cancer tissue, Calu6 and HT29 cell lysates

Comments

Antibody can be used for Western blotting (1-2 μg/ml) and immunohistochemistry on formlin-fixed, paraffin-embedded tissue sections (1-5μg/ml). Optimal concentration should be evaluated by serial dilutions.

Purification

Protein A/G Chromatography

Ship Conditions

Ship at ambient temperature, freeze upon arrival

Storage Customer

Product should be stored at -20ºC. Aliquot to avoid freeze/thaw cycles

Stability

Products are stable for one year from purchase when stored properly

References

1. Kubota, H., et al. (1999). Structures and co-regulated expression of the genes encoding mouse cytosolic chaperonin CCT subunits. Eur. J. Biochem. 262(2):492-500

2. Joly, E.C., et al. (1994). cDNA encoding a novel TCP1-related protein. Biochm. Biophys. Acta. 1217(2):224-226

Product Specific References

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