Datasheet for ABIN264513

anti-CCT2 antibody (C-Term)

2 Images

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Overview

Quantity:	0.2 mg
Target:	CCT2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Frog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CCT2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with asynthetic peptide derived from the Cterminal of the TCP-1β protein and mouse myelomaAg8563 cells. Sequence common in human, frog, mouse, rat.
Clone:	F39 P7 F11
Isotype:	IgG2a
Specificity:	This antibody recognizes T-Complex Protein 1, beta subunit.
Characteristics:	Synonyms: TCP1 Beta, CCT Beta, CCT-beta, CCTB, CCT2, 99D8.1, T-complex protein 1 subunit beta
Purification:	Purified

Target Details

Target:	CCT2
Alternative Name:	CCT2 / TCP1 beta (CCT2 Products)
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.Synonyms: 99D8.1, CCT-beta, CCTB, T-complex protein 1 subunit beta, TCP-1 beta
Molecular Weight:	57 kDa
Gene ID:	10576
UniProt:	P78371

Application Details

Application Notes:	Western Blot: 1 - 2 µg/mL. Immunohistochemistry on paraffin sections: 1 - 5 µg/mL. Positive Control: Colorectal cancer tissue, Calu6 and HT29 cell lysates. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

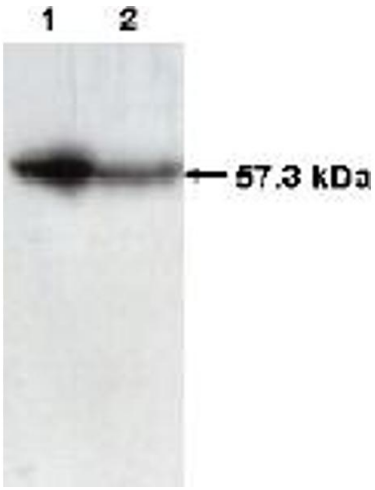
Handling

Buffer:	PBS, 0.08 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	The antibody can be shipped at ambient temperature. Store (in aliquots) at -20 °C only. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Handling

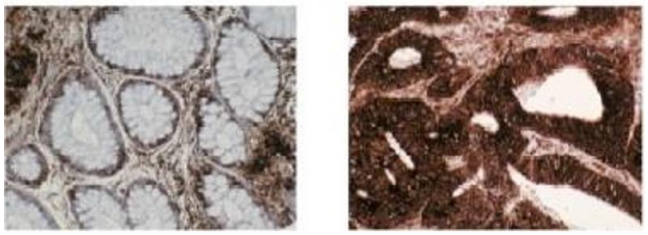
Expiry Date:	12 months

Images



Western Blotting

Image 1.



Immunohistochemistry

Image 2.