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Datasheet for ABIN1390255
anti-CCT2 antibody (AA 131-230) (Biotin)

Overview

Quantity:	100 µL
Target:	CCT2
Binding Specificity:	AA 131-230
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CCT2 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CCT2/TCP1 beta
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Sheep,Pig,Horse,Chicken,Rabbit,Zebrafish
Purification:	Purified by Protein A.

Target Details

Target:	CCT2
Alternative Name:	CCT2/TCP1 beta (CCT2 Products)

Target Details

Background:	<p>Synonyms: CCT 2, CCT beta, CCT-beta, CCT-2, 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 cytidyltransferase 2, 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, 99D8.1.</p> <p>Background: CCT2 is one of eight largely unrelated subunit proteins found in a protein chaperone complex known as the chaperonin-containing TCP-1 (CCT) or TRiC complex. The CCT complex is an abundant cytosolic component that is credited with helping newly synthesized polypeptides adopt the correct conformation (1). Proteins that fold and assemble with the help of CCT include the cytoskeletal proteins actin and tubulin as well as up to 15 % of newly synthesized eukaryotic proteins (2). CCT2 is the β-subunit of the chaperone complex and is one of several CCT proteins that exhibit increased expression in response to stress. This implies that the CCT complex helps cells recover from protein damage by assisting in protein folding and assembly (3). CCT subunit levels also change throughout the cell cycle, with lower protein levels (and reduced chaperone activity) found during induced cell cycle arrest during M phase (4). Each CCT subunit is thought to perform a specific function during protein folding and assembly (5), CCT2 exhibits both actin and tubulin binding activities (6,3) but the exact molecular function on this subunit remains uncertain.</p>
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Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 $\mu\text{g}/\mu\text{L}$
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months