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Anti-TCP1 theta Picoband Antibody

Catalog # ABO12678

Product Information

Application	WB, IHC-P
Primary Accession	P50990
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for T-complex protein 1 subunit theta(CCT8) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	10694
Other Names	T-complex protein 1 subunit theta, TCP-1-theta, CCT-theta, Renal carcinoma antigen NY-REN-15, CCT8, C21orf112, CCTQ, KIAA0002
Calculated MW	59621
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 □g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 □g/ml, Human, Mouse, Rat
Subcellular Localization	Cytoplasm . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, cilium basal body .
Source	Eukaryota
Protein Name	T-complex protein 1 subunit theta
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E.coli-derived human TCP1 theta recombinant protein (Position: K421-D548). Human TCP1 theta shares 98.4% amino acid (aa) sequence identity with mouse TCP1 theta.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also

be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.

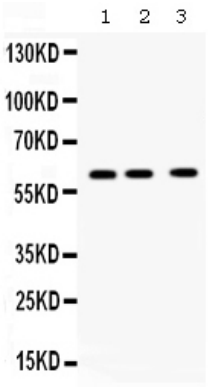
Protein Information

Name	CCT8
Synonyms	C21orf112, CCTQ, KIAA0002
Function	Component of the chaperonin-containing T-complex (TRiC), a molecular chaperone complex that assists the folding of actin, tubulin and other proteins upon ATP hydrolysis (PubMed:25467444, PubMed:36493755, PubMed:35449234, PubMed:37193829). The TRiC complex mediates the folding of WRAP53/TCAB1, thereby regulating telomere maintenance (PubMed:25467444). As part of the TRiC complex may play a role in the assembly of BBSome, a complex involved in ciliogenesis regulating transports vesicles to the cilia (PubMed:20080638).
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250|UniProtKB:P42932}

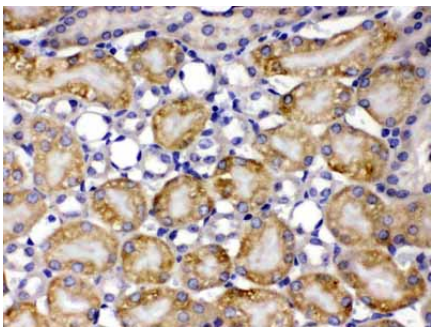
Background

T-complex protein 1 subunit theta is a protein that in humans is encoded by the CCT8 gene. This gene encodes the theta subunit of the CCT chaperonin, which is abundant in the eukaryotic cytosol and may be involved in the transport and assembly of newly synthesized proteins. Alternative splicing results in multiple transcript variants of this gene. A pseudogene related to this gene is located on chromosome 1.

Images

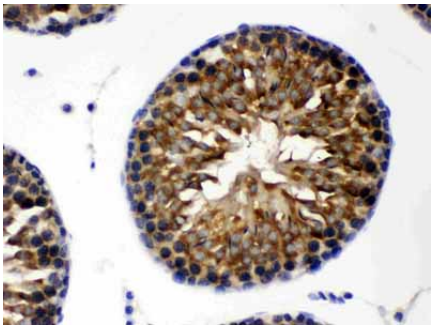


Western blot analysis of TCP1 theta expression in rat brain extract (lane 1), mouse brain extract (lane 2) and U20S whole cell lysates (lane 3). TCP1 theta at 60KD was detected using rabbit anti- TCP1 theta Antigen Affinity purified polyclonal antibody (Catalog # ABO12678) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method .

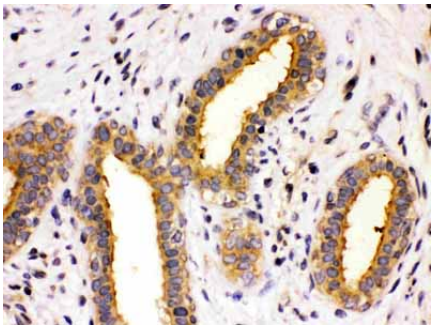


TCP1 theta was detected in paraffin-embedded sections of mouse kidney tissues using rabbit anti- TCP1 theta Antigen Affinity purified polyclonal antibody (Catalog # ABO12678) at 1 □¼g/mL. The immunohistochemical section was developed using SABC method .

TCP1 theta was detected in paraffin-embedded sections of rat testis tissues using rabbit anti- TCP1 theta Antigen



Affinity purified polyclonal antibody (Catalog # ABO12678) at 1 □¼g/mL. The immunohistochemical section was developed using SABC method .



TCP1 theta was detected in paraffin-embedded sections of human mammary cancer tissues using rabbit anti-TCP1 theta Antigen Affinity purified polyclonal antibody (Catalog # ABO12678) at 1 □¼g/mL. The immunohistochemical section was developed using SABC method .

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