10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-TCP1 theta Picoband Antibody

Catalog # ABO12678

Specification

Anti-TCP1 theta Picoband Antibody - 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.

Anti-TCP1 theta Picoband Antibody - 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 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat

Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization
Cytoplasm . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, cilium basal body .

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.**

Anti-TCP1 theta Picoband Antibody - 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}

Anti-TCP1 theta Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-TCP1 theta Picoband Antibody - Images

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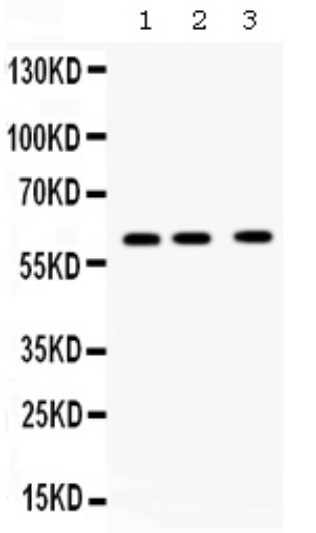
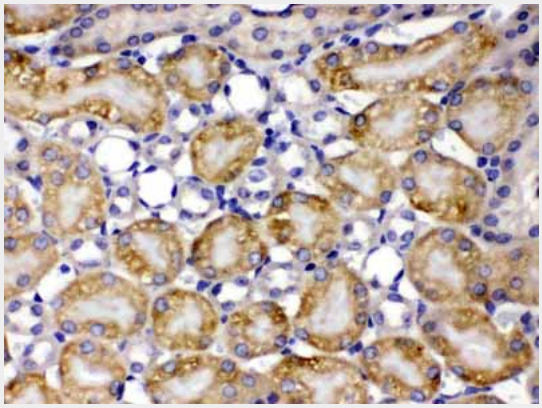
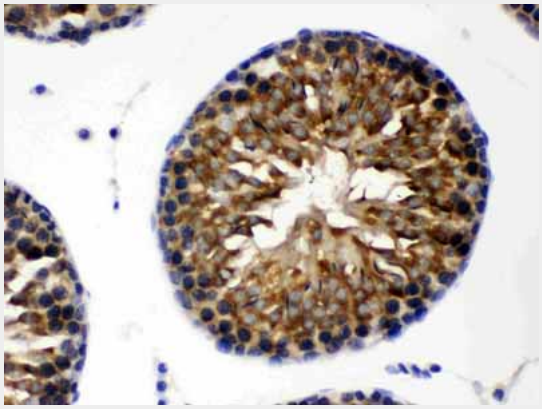


Western blot analysis of TCP1 theta expression in rat brain extract (lane 1), mouse brain extract (lane 2) and U20S whole cell lysates (lane 3). TCP1 theta at 60KD was detected using rabbit anti-TCP1 theta Antigen Affinity purified polyclonal antibody (Catalog # ABO12678) at 0.5 ??g/mL. The blot was 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 Î¼g/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 Î¼g/mL. The immunohistochemical section was developed using SABC method .

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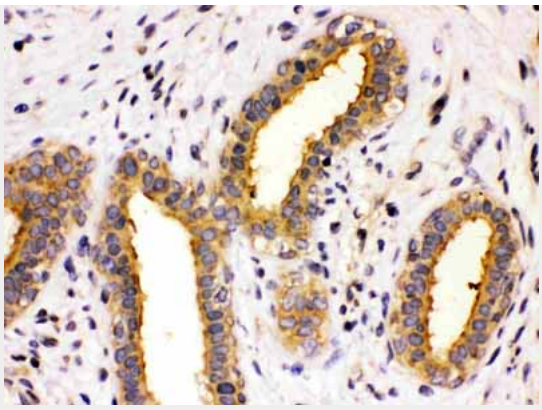

TCP1 theta was detected in paraffin-embedded sections of human mammary cancer tissues using rabbit anti- TCP1 theta Antigen Affinity purified polyclonal antibody (Catalog # ABO12678) at 1 Î¼g/mL. The immunohistochemical section was developed using SABC method .

Anti-TCP1 theta Picoband Antibody - 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.