

Rabbit TCP1 epsilon Polyclonal Antibody | anti-CCT5 antibody

Anti-TCP1 epsilon Antibody

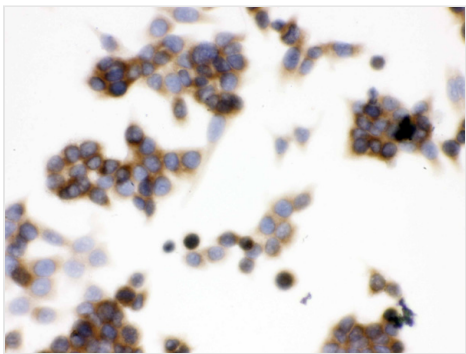
CATALOG # AAA46604	HOST Rabbit	REACTIVITY Human, Mouse, Rat No cross reactivity with other proteins.	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

TCP1 epsilon; Polyclonal Antibody; Anti-TCP1 epsilon Antibody; CCT5; CCT 5; CCTepsilon; CCT epsilon; TCP 1 epsilon; TCP1epsilon; TCPE; P48643; T-complex protein 1 subunit epsilon; chaperonin containing TCP1 subunit 5; anti-CCT5 antibody

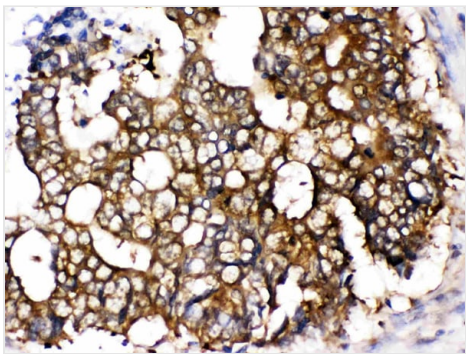
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	448
Applicable Applications for anti-CCT5 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human TCP1 epsilon recombinant protein (Position: L443-K535). Human TCP1 epsilon shares 95.7% amino acid (aa) sequence identity with both mouse and rat TCP1 epsilon.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



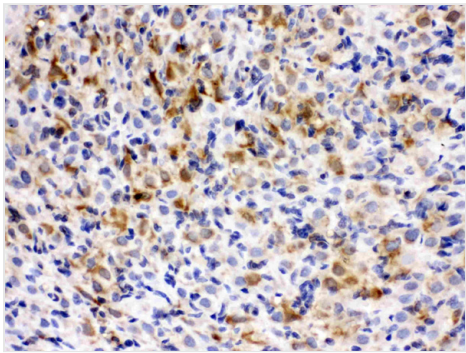
ICC (Immunocytochemistry)

Figure 5. IHC analysis of TCP1 epsilon using anti-TCP1 epsilon antibody (AAA46604).TCP1 epsilon was detected in immunocytochemical section of LOVO cell. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TCP1 epsilon Antibody (AAA46604) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



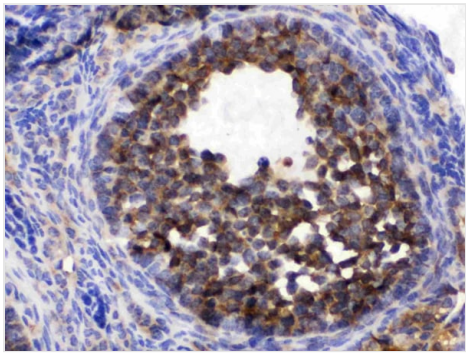
IHC (Immunohistochemistry)

TCP1 epsilon was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- TCP1 epsilon Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



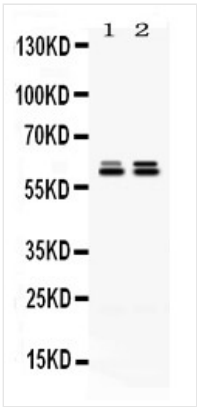
IHC (Immunohistochemistry)

TCP1 epsilon was detected in paraffin-embedded sections of rat ovary tissues using rabbit anti- TCP1 epsilon Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)

TCP1 epsilon was detected in paraffin-embedded sections of mouse ovary tissues using rabbit anti- TCP1 epsilon Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of TCP1 epsilon expression in rat testis extract (lane 1) and HELA whole cell lysates (lane 2). TCP1 epsilon at 60KD was detected using rabbit anti- TCP1 epsilon Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-CCT5 antibody	Rabbit IgG polyclonal antibody for T-complex protein 1 subunit epsilon (CCT5) detection. Background: CCT5 is a molecular chaperone that is a member of the chaperonin containing TCP1 complex (CCT), also known as the TCP1 ring complex (TRiC). This complex consists of two identical stacked rings, each containing eight different proteins. Unfolded polypeptides enter the central cavity of the complex and are folded in an ATP-dependent manner. The complex folds various proteins, including actin and tubulin. Mutations in this gene cause hereditary sensory and autonomic neuropathy with spastic paraplegia (HSNSP). Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 5 and 13.
References	1. Bouhouche, A., Benomar, A., Bouslam, N., Chkili, T., Yahyaoui, M. Mutation in the epsilon subunit of the cytosolic chaperonin-containing t-complex peptide-1 (Cct5) gene causes autosomal recessive mutilating sensory neuropathy with spastic paraplegia. J. Med. Genet. 43: 441-443, 2006. 2. Liou, A. K. F., Willison, K. R. Elucidation of the subunit orientation in CCT (chaperonin containing TCP1) from the subunit composition of CCT micro-complexes. EMBO J. 16: 4311-4316, 1997.

NCBI AND UNIPROT INFORMATION

NCBI GI #	807066364
NCBI GeneID	22948
NCBI Accession #	NP_001293084.1
NCBI GenBank Nucleotide #	NM_001306155.1
UniProt Accession #	P48643; A8JZY8; A8K2X8; B4DYD8
Molecular Weight	49,526 Da
NCBI Official Full Name	T-complex protein 1 subunit epsilon isoform d
NCBI Official Synonym Full Names	chaperonin containing TCP1 subunit 5
NCBI Official Symbol	CCT5
NCBI Official Synonym Symbols	CCTE; HEL-S-69; PNAS-102; CCT-epsilon; TCP-1-epsilon
NCBI Protein Information	T-complex protein 1 subunit epsilon
UniProt Protein Name	T-complex protein 1 subunit epsilon
UniProt Gene Name	CCT5
UniProt Synonym Gene Names	CCTE; KIAA0098; TCP-1-epsilon
UniProt Entry Name	TCPE_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.