

Rabbit CCT3 Polyclonal Antibody | anti-CCT3 antibody

Anti-CCT3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46603	Rabbit	Human, Rat No cross reactivity with other proteins.	Western Blot

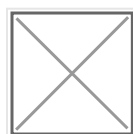
PRODUCT SYNONYMS

CCT3; Polyclonal Antibody; Anti-CCT3 Antibody; CCT 3; CCT gamma; CCT-gamma; CCTG; CCT G; hTRIC5; PIG48; TCP 1 gamma; TCP-1-gamma; TRIC5; P49368; T-complex protein 1 subunit gamma; chaperonin containing TCP1 subunit 3; anti-CCT3 antibody

PRODUCT SPECIFICATIONS

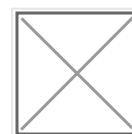
Host	Rabbit
Reactivity	Human, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	507
Applicable Applications for anti-CCT3 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CCT3 (497-536aa EPLAVKLQTYKTAVETAVLLLRIDDIVSGHKKKGDDQSRQ), different from the related mouse and rat sequences by one amino acid.
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.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 4. Flow Cytometry analysis of U251 cells using anti-CCT3 antibody (AAA46603). Overlay histogram showing U251 cells stained with AAA46603 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CCT3 Antibody (AAA46603, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight[®]488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of PC-3 cells using anti-CCT3 antibody (AAA46603). Overlay histogram showing PC-3 cells stained with AAA46603 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CCT3 Antibody (AAA46603, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight[®]488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of K562 cells using anti-CCT3 antibody (AAA46603). Overlay histogram showing K562 cells stained with AAA46603 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CCT3 Antibody (AAA46603, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight[®]488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control



WB (Western Blot)

Figure 1. Western blot analysis of CCT3 using anti-CCT3 antibody (AAA46603). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat kidney tissue lysates, Lane 2: HELA whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CCT3 antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CCT3 at approximately 61KD. The expected band size for CCT3 is at 61KD.

ADDITIONAL INFORMATION

Related Product Information for anti-CCT3 antibody	Rabbit IgG polyclonal antibody for T-complex protein 1 subunit gamma (CCT3) detection. Background: T-complex protein 1 subunit gamma is a protein that in humans is encoded by the CCT3 gene. The protein encoded by this gene 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. Alternate transcriptional splice variants have been characterized for this gene. In addition, a pseudogene of this gene has been found on chromosome 8.
References	1. "Entrez Gene: CCT3 chaperonin containing TCP1, subunit 3 (gamma)". 2. Joly EC, Sévigny G, Todorov IT, Bibor-Hardy V (Mar 1994). "cDNA encoding a novel TCP1-related protein". <i>Biochimica et Biophysica Acta</i> 1217 (2): 224-6. 3. Walkley NA, Demaine AG, Malik AN (Jan 1996). "Cloning, structure and mRNA expression of human Cctg, which encodes the chaperonin subunit CCT gamma". <i>The Biochemical Journal</i> 313 (Pt 2): 381-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	58761484
NCBI GeneID	7203
NCBI Accession #	NP_001008800.1
NCBI GenBank Nucleotide #	NM_001008800.2
UniProt Accession #	P49368; Q5SZY1; Q9BR64; A6NE14
Molecular Weight	56,431 Da
NCBI Official Full Name	T-complex protein 1 subunit gamma isoform c
NCBI Official Synonym Full Names	chaperonin containing TCP1 subunit 3
NCBI Official Symbol	CCT3
NCBI Official Synonym Symbols	CCTG; PIG48; TRIC5; CCT-gamma; TCP-1-gamma
NCBI Protein Information	T-complex protein 1 subunit gamma
UniProt Protein Name	T-complex protein 1 subunit gamma
UniProt Gene Name	CCT3
UniProt Synonym Gene Names	CCTG; TRIC5; TCP-1-gamma
UniProt Entry Name	TCPG_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cct3-antibody-western-blot-elisa/46603>