

Rabbit anti-Human Cyclin T1/CCNT1 Polyclonal Antibody | anti-CCNT1 antibody

Anti-Cyclin T1/CCNT1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256986	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

Cyclin T1/CCNT1; Polyclonal Antibody; Anti-Cyclin T1/CCNT1 Antibody; Rabbit Polyclonal; Cyclin T1/CCNT1 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-CCNT Antibody; Anti-CCNT1 Antibody; Anti-Cyclin T1 Antibody; Anti-CYCT1 Antibody; Anti-HIVE1 Antibody; anti-CCNT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Cyclin T1/CCNT1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-CCNT1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human Cyclin T1/CCNT1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human Cyclin T1/CCNT1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of CCNT1 in A431 cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human CCNT1 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus.



IHC (Immunohistochemistry)

Immunochemical staining of human CCNT1 in human lymph node with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human CCNT1 in human adrenal gland with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-CCNT1 antibody	Cyclin T1 (CCNT1), a gene containing nine exons, forms the positive transcription elongation factor b (P-TEFb) complex and regulates a wide variety of biological processes including transcription. Scientists discovered a novel splice variant of CCNT1 that lacks exon 7 (dE7). dE7 regulates the expression and function of CCNT1. CCNT1 exon 7 was more frequently skipped in infected T-cells, leading to loss of the key Cyclin_N motif and affecting HIV-1 transcriptional elongation. Cells derived from mice and other rodents exhibit profound blocks to HIV-1 virion production, reflecting species-specific incompatibilities between viral Tat and Rev proteins and essential host factors cyclin T1 (CCNT1) and exportin-1 (XPO1, also known as CRM1), respectively.
References	Urano E, et al. (2012) Regulation of cyclin t1 expression and function by an alternative splice variant that skips exon 7 and contains a premature termination codon. Gene 505 (1): 1-8. Evans EL, 3rd, et al. (2018) Hiv-1 vif's capacity to manipulate the cell cycle is species specific. J Virol 92 (7): e02102-17. Byun S, et al. (2020) The landscape of alternative splicing in hiv-1 infected cd4 t-cells. BMC Med Genomics 13 (Suppl 5): 38.

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cyclin-t1-ccnt1-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/256986>