

Rabbit Cyclin T1 Polyclonal Antibody | anti-CCNT1 antibody

Anti-Cyclin T1 Antibody

CATALOG # AAA46639	HOST Rabbit	REACTIVITY Human, Mouse, Rat No cross reactivity with other proteins.	APPLICATIONS Immunohistochemistry, Western Blot
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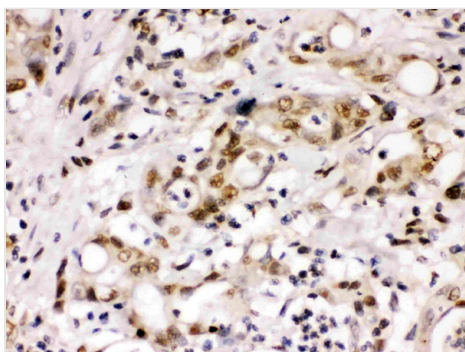
PRODUCT SYNONYMS

Cyclin T1; Polyclonal Antibody; Anti-Cyclin T1 Antibody; CCN T1; CCNT; CCNT 1; CCNT1; CyclinT; Cyclin T; Cyclin-T; cyclinT1; cyclin-T1; cyclin T1; Cyclin T1b; CYCT 1; CYCT1; HIVE1; O60563; Cyclin-T1; anti-CCNT1 antibody

PRODUCT SPECIFICATIONS

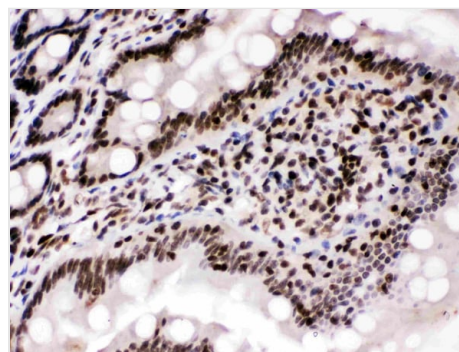
Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	726
Applicable Applications for anti-CCNT1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Cyclin T1 (375-410aa QKQNSKSVPSAKVSLKEYRAKHAEELAAQKRQLENM), different from the related mouse sequence 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



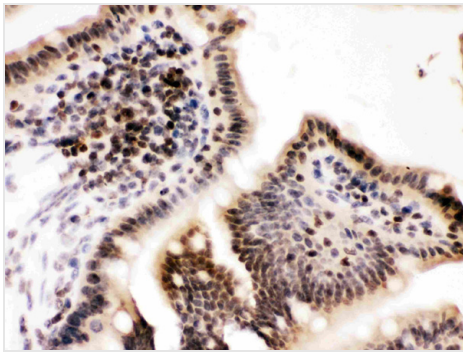
IHC (Immunohistochemistry)

Cyclin T1 was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- Cyclin T1 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



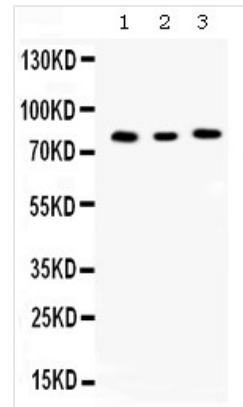
IHC (Immunohistochemistry)

Cyclin T1 was detected in paraffin-embedded sections of rat intestine tissues using rabbit anti- Cyclin T1 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)

Cyclin T1 was detected in paraffin-embedded sections of mouse intestine tissues using rabbit anti- Cyclin T1 Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of Cyclin T1 expression in rat kidney extract (lane 1), mouse spleen extract (lane 2) and JURKAT whole cell lysates (lane 3). Cyclin T1 at 81KD was detected using rabbit anti- Cyclin T1 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-CCNT1 antibody	Rabbit IgG polyclonal antibody for Cyclin-T1 (CCNT1) detection. Background: Cyclin-T1 is a protein that in humans is encoded by the CCNT1 gene. This gene encodes a member of the highly conserved cyclin C subfamily. The encoded protein tightly associates with cyclin-dependent kinase 9, and is a major subunit of positive transcription elongation factor b (p-TEFb). In humans, there are multiple forms of positive transcription elongation factor b, which may include one of several different cyclins along with cyclin-dependent kinase 9. The complex containing the encoded cyclin and cyclin-dependent kinase 9 acts as a cofactor of human immunodeficiency virus type 1 (HIV-1) Tat protein, and is both necessary and sufficient for full activation of viral transcription. This cyclin and its kinase partner are also involved in triggering transcript elongation through phosphorylation of the carboxy-terminal domain of the largest RNA polymerase II subunit. Overexpression of this gene is implicated in tumor growth. Alternative splicing results in multiple transcript variants.
References	1. "Entrez Gene: CCNT1 cyclin T1". 2. Peng J, Zhu Y, Milton JT, Price DH (April 1998). "Identification of multiple cyclin subunits of human P-TEFb". Genes Dev. 12 (5): 755-62. 3. Wei P, Garber ME, Fang SM, Fischer WH, Jones KA (March 1998). "A novel CDK9-associated C-type cyclin interacts directly with HIV-1 Tat and mediates its high-affinity, loop-specific binding to TAR RNA". Cell 92 (4): 451-62.

NCBI AND UNIPROT INFORMATION

NCBI GI #	17978466
NCBI GeneID	904
NCBI Accession #	NP_001231.2
NCBI GenBank Nucleotide #	NM_001240.3
UniProt Accession #	O60563 ; O60581 ; A9XU13 ; E7EX76
Molecular Weight	21,206 Da
NCBI Official Full Name	cyclin-T1 isoform a
NCBI Official Synonym Full Names	cyclin T1
NCBI Official Symbol	CCNT1
NCBI Official Synonym Symbols	CCNT; CYCT1; HIVE1
NCBI Protein Information	cyclin-T1
UniProt Protein Name	Cyclin-T1
UniProt Gene Name	CCNT1

UniProt Synonym Gene Names	CycT1; Cyclin-T
UniProt Entry Name	CCNT1_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cyclin-t1-antibody-immunohistochemistry-western-blot-elisa/46639>