

## Rabbit anti-Human, mouse CCNT1 Polyclonal Antibody | anti-CCNT1 antibody

CCNT1 Antibody (Center)

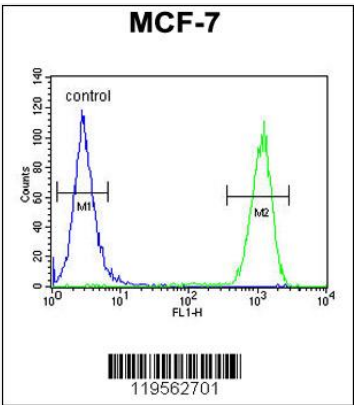
| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                          |
|-----------|--------|--------------|-------------------------------------------------------|
| AAA289627 | Rabbit | Human, mouse | Flow Cytometry, Functional Assay, ELISA, Western Blot |

### PRODUCT SYNONYMS

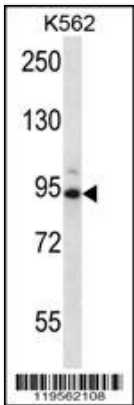
CCNT1; Polyclonal Antibody; CCNT1 Antibody (Center); Cyclin-T1; CycT1; Cyclin-T; anti-CCNT1 antibody

### PRODUCT SPECIFICATIONS

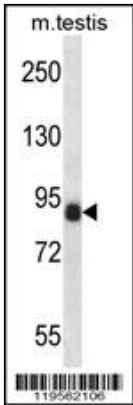
|                                                 |                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                       |
| Reactivity                                      | Human, mouse                                                                                                                                                                 |
| Clonality                                       | Polyclonal                                                                                                                                                                   |
| Isotype                                         | Rabbit Ig                                                                                                                                                                    |
| Specificity                                     | This CCNT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 253-281 amino acids from the Central region of human CCNT1.          |
| Purity/Purification                             | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                   | Vial Concentration: 0.35 (varies by lot)                                                                                                                                     |
| Sequence Positions                              | 253-281                                                                                                                                                                      |
| Sequence Length                                 | 184                                                                                                                                                                          |
| Applicable Applications for anti-CCNT1 antibody | FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)                                                                                                                          |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                  | HUMAN                                                                                                                                                                        |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |



**FCM/FACS (Flow Cytometry)**  
CCNT1 Antibody (Center) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



**WB (Western Blot)**  
CCNT1 Antibody (Center) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the CCNT1 antibody detected the CCNT1 protein (arrow).



**WB (Western Blot)**  
CCNT1 Antibody (Center) western blot analysis in mouse testis tissue lysates (35ug/lane).This demonstrates the CCNT1 antibody detected the CCNT1 protein (arrow).

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CCNT1 antibody | CCNT1 belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin tightly associates with CDK9 kinase, and was found to be a major subunit of the transcription elongation factor p-TEFb. The kinase complex containing this cyclin and the elongation factor can interact with, and act as a cofactor of human immunodeficiency virus type 1 (HIV-1) Tat protein, and was shown to be both necessary and sufficient for full activation of viral transcription. This cyclin and its kinase partner were also found to be involved in the phosphorylation and regulation of the carboxy-terminal domain (CTD) of the largest RNA polymerase II subunit. |
| Product Categories/Family for anti-CCNT1 antibody   | Cell Biology; Immunology; Microbiology; Neuroscience                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

|            |                                                                                                                                                                                                                                                                                            |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | Moiola, C., et al. Cell Cycle 9(15):3119-3126(2010)<br>Schonichen, A., et al. Biochemistry 49(14):3083-3091(2010)<br>Czudnochowski, N., et al. J. Mol. Biol. 395(1):28-41(2010)<br>Kapasi, A.J., et al. J. Virol. 83(11):5904-5917(2009)<br>Cho, S., et al. EMBO J. 28(10):1407-1417(2009) |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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                 | 80685                          |
| 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/polyclonal/ccnt1-antibody-flow-cytometry-western-blot-elisa/289627>