

Product datasheet for **TA330358**

Cyclin T1 (CCNT1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-CCNT1 antibody: synthetic peptide directed towards the N terminal of human CCNT1. Synthetic peptide located within the following region: EGERKNNNKRWYFTREQLNSPSRRFGVDPDKELSYRQQAANLLQDMGQR
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	81 kDa
Gene Name:	cyclin T1
Database Link:	NP_001231 Entrez Gene 904 Human O60563



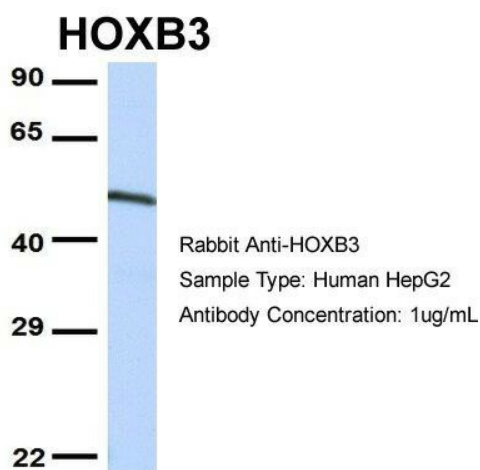
[View online »](#)

Background:	<p>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. The protein encoded by this gene 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p>
Synonyms:	CCNT; CYCT1; HIVE1
Note:	Immunogen sequence homology: Bovine: 100%; Goat: 100%; Guinea pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Dog: 92%
Protein Families:	Druggable Genome, Transcription Factors

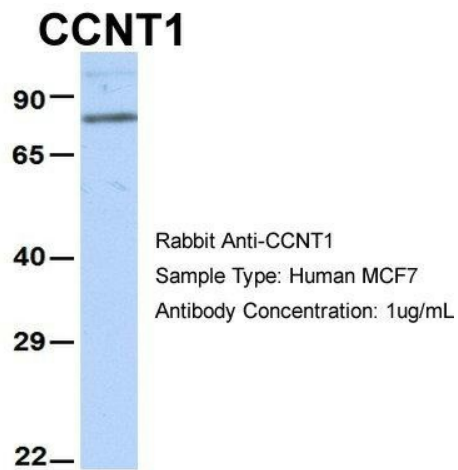
Product images:



WB Suggested Anti-CCNT1 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive
Control: 721_B cell lysate CCNT1 is supported by
BioGPS gene expression data to be expressed in
721_B



Host: Rabbit; Target Name: CCNT1; Sample
Tissue: MCF7; Antibody Dilution: 1.0ug/ml; CCNT1
is supported by BioGPS gene expression data to
be expressed in MCF7



Host: Rabbit; Target Name: CCNT1; Sample Tissue: HeLa; Antibody Dilution: 1.0ug/ml; CCNT1 is supported by BioGPS gene expression data to be expressed in HeLa