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Product datasheet for AP50822PU-N

Cyclin T1 (CCNT1) (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	**ELISA**: 1/1000. **Western blot:** 1/100 - 1/500. **Immunohistochemistry on paraffin sections:** 1/50 - 1/100. **Flow Cytometry:** 1/10 - 1/50.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 256-285 amino acids from the Central region of human CCNT1
Specificity:	This antibody reacts to CCNT1.
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) sodium azide
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	80685 Da
Gene Name:	cyclin T1
Database Link:	Entrez Gene 12455 MouseEntrez Gene 904 Human O60563

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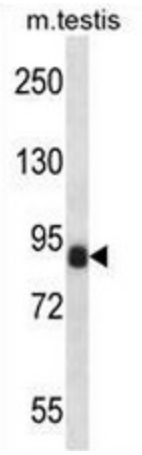
Background: CCNT1 belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute 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.

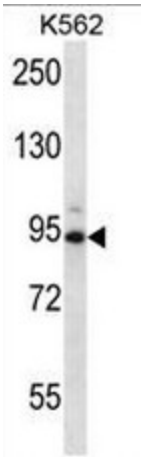
Synonyms: Cyclin-T1, Cyclin-T, CycT1, CCNT1

Protein Families: Druggable Genome, Transcription Factors

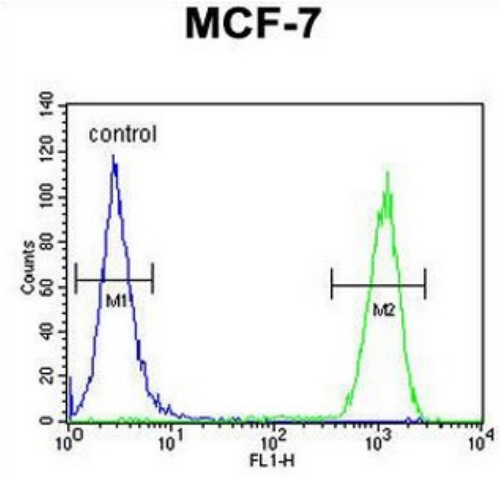
Product images:



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



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



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.