

Datasheet for ABIN654626

anti-Cyclin T1 antibody (AA 253-281)[Go to Product page](#)**4** Images

Overview

Quantity:	400 µL
Target:	Cyclin T1 (CCNT1)
Binding Specificity:	AA 253-281
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin T1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	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.
Clone:	RB19562
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Cyclin T1 (CCNT1)
Alternative Name:	CCNT1 (CCNT1 Products)
Background:	CCNT1 belongs to the highly conserved cyclin family, whose members are characterized by a

Target Details

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.

Molecular Weight: 80685

Gene ID: 904

NCBI Accession: [NP_001231](#)

UniProt: [O60563](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:1000. WB: 1:1000. FC: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

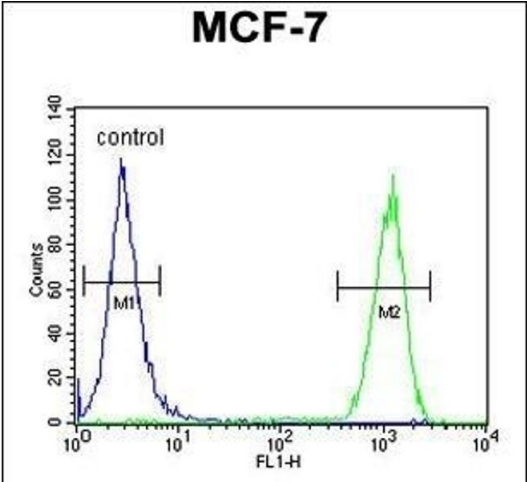
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

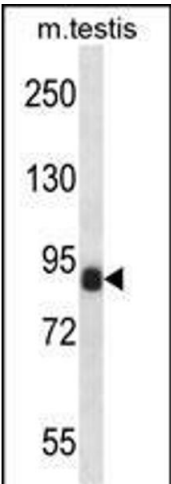
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



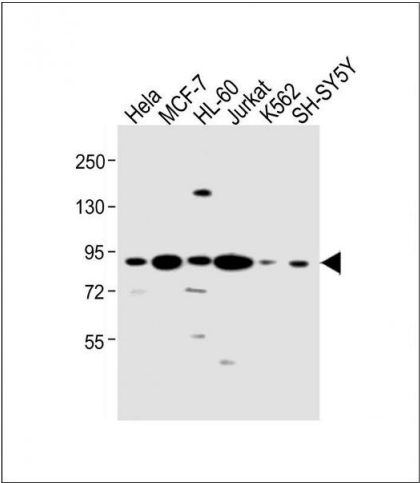
Flow Cytometry

Image 1. CCNT1 Antibody (Center) (ABIN654626 and ABIN2844323) 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.



Western Blotting

Image 2. CCNT1 Antibody (Center) (ABIN654626 and ABIN2844323) western blot analysis in mouse testis tissue lysates (35 µg/lane).This demonstrates the CCNT1 antibody detected the CCNT1 protein (arrow).



Western Blotting

Image 3. All lanes : Anti-CCNT1 Antibody (Center) at 1:1000 dilution Lane 1: HeLa whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: HL-60 whole cell lysate Lane 4: Jurkat whole cell lysate Lane 5: K562 whole cell lysate Lane 6: SH-SY5Y whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 81 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN654626.