

For Research Use Only

# Cyclin T1 Recombinant antibody, PBS Only

Catalog Number: 84980-1-PBS



## Basic Information

<b>Catalog Number:</b> 84980-1-PBS	<b>GenBank Accession Number:</b> NM_001240	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 904	<b>CloneNo.:</b> 242256C3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O60563	
<b>Isotype:</b> IgG	<b>Full Name:</b> cyclin T1	
	<b>Calculated MW:</b> 81 kDa	
	<b>Observed MW:</b> 75-81 kDa	

## Applications

**Tested Applications:**  
WB, FC (Intra), Indirect ELISA

**Species Specificity:**  
human

## Background Information

CCNT1, also named as Cyclin T1 and Cyt1, belongs to the cyclin family and Cyclin C subfamily. It is a regulatory subunit of the cyclin-dependent kinase pair (CDK9/cyclin-T1) complex which also called positive transcription elongation factor B (P-TEFb). In case of HIV or SIV infections, CCNT1 binds to the transactivation domain of the viral nuclear transcriptional activator, Tat, thereby increasing Tat's affinity for the transactivating response RNA element (TAR RNA). CCNT1 serves as an essential cofactor for Tat, by promoting RNA Pol II activation, allowing transcription of viral genes. The antibody is specific to CCNT1.

## Storage

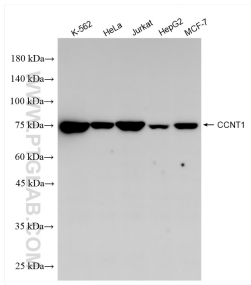
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

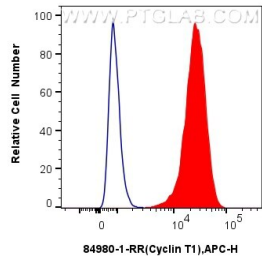
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

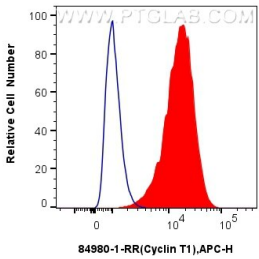
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84980-1-RR (Cyclin T1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84980-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.25 ug Cyclin T1 Recombinant antibody (84980-1-RR, Clone:242256C3) (red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue) and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 84980-1-PBS in a different storage



1x10<sup>6</sup> U2OS cells were intracellularly stained with 0.25 ug Cyclin T1 Recombinant antibody (84980-1-RR, Clone:242256C3) (red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue) and APC-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 84980-1-PBS in a different storage