

CCNT1 Rabbit pAb

CatalogNo: YN1565

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 79kD (Observed)

Isotype

- IgG

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from human protein . at AA range: 220-300

Specificity

CCNT1 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name

CCNT1

Protein Name	Cyclin-T1 (CycT1) (Cyclin-T)		
	Organism	Gene ID	UniProt ID
	Human	904;	O60563;
	Mouse		Q9QWV9;
Cellular Localization	Nucleus .		
Tissue specificity	Ubiquitously expressed.		
Function	Function:Regulatory subunit of the cyclin-dependent kinase pair (CDK9/cyclin-T1) complex , also called positive transcription elongation factor B (P-TEFb) , which is proposed to facilitate the transition from abortive to productive elongation by phosphorylating the CTD (carboxy-terminal domain) of the large subunit of RNA polymerase II (RNA Pol II) . In case of HIV or SIV infections , 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) . Serves as an essential cofactor for Tat , by promoting RNA Pol II activation , allowing transcription of viral genes. ,miscellaneous:Interaction between Tat and cyclin-T1 requires zinc. ,similarity:Belongs to the cyclin family. Cyclin C subfamily. ,subunit:Cyclin-T1 is the predominant cyclin that associates with CDK9 to form a heterodimer called P-TEFb. P-TEFb forms a complex with AFF4/AF5Q31. Interacts with the transactivation region of HIV-1 , HIV-2 and SIV Tat. Component of a complex which is at least composed of HTATSF1/Tat-SF1 , P-TEFb complex , RNA pol II , SUPT5H , and NCL/nucleolin. Component of the 7SK snRNP complex at least composed of P-TEFb (composed of CDK9 and CCNT1/cyclin-T1) , HEXIM1 , HEXIM2 , BCDIN3 , SART3 proteins and 7SK and U6 snRNAs. Interacts with MDFIC. ,tissue specificity:Ubiquitously expressed. ,		

Validation Data

Contact information

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