

KD-Validated Anti-Cyclin T1 Rabbit Monoclonal Antibody

Rabbit monoclonal Antibody

Catalog # AGI2202

Product Information

Application	WB, FC
Primary Accession	O60563
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB150
Calculated MW	80685
Gene Name	CCNT1
Aliases	CCNT1; Cyclin T1; CYCT1; CCNT; Human Immunodeficiency Virus Type 1 (HIV-1) Expression (Elevated); Cyclin-T1; HIVE1; CDK9-Associated C-Type Protein; Cyclin C-Related Protein; MLLT10/CCNT1 Fusion; Cyclin-T; CycT1
Immunogen	Recombinant protein of human Cyclin T1

Additional Information

Gene ID	904
Other Names	Cyclin-T1, CycT1, Cyclin-T, CCNT1

Protein Information

Name	CCNT1
Function	Regulatory subunit of the cyclin-dependent kinase pair (CDK9/cyclin-T1) complex, also called positive transcription elongation factor B (P-TEFb), which facilitates the transition from abortive to productive elongation by phosphorylating the CTD (C-terminal domain) of the large subunit of RNA polymerase II (RNA Pol II) (PubMed: 16109376 , PubMed: 16109377 , PubMed: 30134174 , PubMed: 35393539). Required to activate the protein kinase activity of CDK9: acts by mediating formation of liquid-liquid phase separation (LLPS) that enhances binding of P-TEFb to the CTD of RNA Pol II (PubMed: 29849146 , PubMed: 35393539).
Cellular Location	Nucleus
Tissue Location	Ubiquitously expressed.

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