

Datasheet for ABIN6991816

anti-Cyclin T1 antibody (C-Term)[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	Cyclin T1 (CCNT1)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin T1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	Rabbit polyclonal CCNT1 antibody was raised against an 18 amino acid peptide near the carboxy terminus of human CCNT1. The immunogen is located within the last 50 amino acids of CCNT1.
Isotype:	IgG
Purification:	CCNT1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	Cyclin T1 (CCNT1)
Alternative Name:	CCNT1 (CCNT1 Products)
Background:	CCNT1 Antibody: Cyclins function as regulators of CDK kinases and exhibit distinct expression

Target Details

and degradation patterns which contribute to the temporal coordination of each mitotic event. The cyclin-T1 protein (CCNT1) belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. CCNT1 tightly associates with CDK9 kinase, and was found to be a major subunit of the transcription elongation factor p-TEFb. The kinase complex containing CCNT1 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. CCNT1 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: Predicted: 80 kDa

Gene ID: 904

NCBI Accession: [NP_001231](#)

UniProt: [O60563](#)

Application Details

Application Notes: CCNT1 antibody can be used for detection of CCNT1 by Western blot at 1 - 2 µg/mL.

Antibody validated: Western Blot in rat samples, Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: CCNT1 Antibody is supplied in PBS containing 0.02 % 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: -20 °C, 4 °C

Storage Comment: CCNT1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.