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# Datasheet for ABIN6257122 anti-Cyclin T2 antibody (Internal Region)





Overview

Quantity:	100 µL
Target:	Cyclin T2 (CCNT2)
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin T2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

## Product Details

Immunogen:	A synthesized peptide derived from human CCNT2, corresponding to a region within the internal amino acids.
lsotype:	lgG
Specificity:	CCNT2 Antibody detects endogenous levels of total CCNT2.
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink <sup>TM</sup> Coupling Resin (Thermo Fisher Scientific).

### Target Details

Target:	Cyclin T2 (CCNT2)
Alternative Name:	CCNT2 (CCNT2 Products)

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## Target Details

Background:	Description: Regulatory subunit of the cyclin-dependent kinase pair (CDK9/cyclin T) complex,
	also called positive transcription elongation factor B (P-TEFB), which is proposed to facilitate
	the transition from abortive to production elongation by phosphorylating the CTD (carboxy-
	terminal domain) of the large subunit of RNA polymerase II (RNAP II) (PubMed:9499409,
	PubMed:15563843). The activity of this complex is regulated by binding with 7SK snRNA
	(PubMed:11713533). Plays a role during muscle differentiation, P-TEFB complex interacts with
	MYOD1, this tripartite complex promotes the transcriptional activity of MYOD1 through its
	CDK9-mediated phosphorylation and binds the chromatin of promoters and enhancers of
	muscle-specific genes, this event correlates with hyperphosphorylation of the CTD domain of
	RNA pol II (By similarity). In addition, enhances MYOD1-dependent transcription through
	interaction with PKN1 (PubMed:16331689). Involved in early embryo development (By
	similarity).
	Gene: CCNT2
Molecular Weight:	81kDa
Gene ID:	905
UniProt:	060583

### Application Details

Application Notes:	WB 1:500-1:2000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

# Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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
Expiry Date:	12 months

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#### Western Blotting

**Image 1.** Western blot analysis of CCNT2 expression in HepG2 whole cell lysate ,The lane on the left is treated with the antigen-specific peptide.

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