

## CCNT1 Ab

[Images\(1\)](#)

Cat.#: DF6787	Concn.: ~1mg/ml	Mol.Wt.: 81kDa
Size:	Source: Rabbit	Clonality: Polyclonal

**Application:** WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500  
\*The optimal dilutions should be determined by the end user.

**Reactivity:** Human, Mouse, Rat

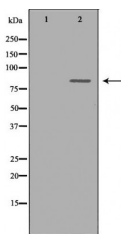
**Storage:** Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

**Purification:** The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

**Immunogen:** A synthesized peptide derived from human CCNT1, corresponding to a region within C-terminal amino acids.

**Uniprot:** O60563

**Description:** Positive transcription elongation factor (P-TEFb) is a heterodimer composed of cyclin T proteins and CDK9. P-TEFb plays a critical role in the transition of the RNA polymerase II (RNAPII) machinery from transcription initiation to elongation. At some genes during transcription initiation, RNAPII moves approximately 50 nucleotides away from the transcription start site into the gene where it then pauses and awaits signaling for the formation of a productive transcription elongation complex (1,2). The release of this promoter proximal pausing of RNAPII is signaled by phosphorylation of the C-terminal domain (CTD) within the largest subunit of RNAPII at Ser2 of the heptapeptide repeat sequence by P-TEFb.



Western blot analysis of extracts from K562, using CCNT1 Ab. The lane on the left was treated with the antigen-specific peptide.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.