

CCNT1 polyclonal antibody

Catalog # PAB30720

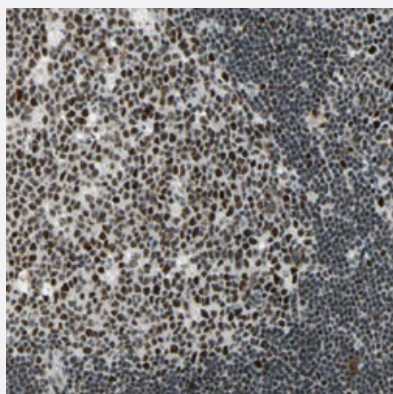
Size 100 uL

Applications



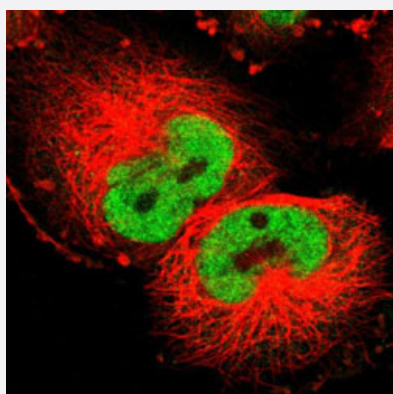
Western Blot (Cell lysate)

Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells) and Lane 2: NBT-II cell lysate (Wistar rat bladder tumor cells) with CCNT1 polyclonal antibody (Cat # PAB30720).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lymph node with CCNT1 polyclonal antibody (Cat # PAB30720) shows strong nuclear positivity in reaction center cells.



Immunofluorescence

Immunofluorescent staining of U-251 MG with CCNT1 polyclonal antibody (Cat # PAB30720) (Green) shows positivity in nucleus but excluded from the nucleoli.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human CCNT1.
Immunogen	Recombinant protein corresponding to human CCNT1.
Sequence	KTSEQTILNMISQSSSDTTIAGLMSMSTSTTSAPVSLPVSEESSSNLTSVEMLPGKRWLSSQPSFK LEPTQGHRTSENALALTGVDHSLPQDGSNAFISQKQNSKSVPSAKVSLKEYRAKHAEELAAQKRQ LEN
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells) and Lane 2: NBT-II cell lysate (Wistar rat bladder tumor cells) with CCNT1 polyclonal antibody (Cat # PAB30720).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lymph node with CCNT1 polyclonal antibody (Cat # PAB30720) shows strong nuclear positivity in reaction center cells.

- Immunofluorescence

Immunofluorescent staining of U-251 MG with CCNT1 polyclonal antibody (Cat # PAB30720) (Green) shows positivity in nucleus but excluded from the nucleoli.

Gene Info — CCNT1

Entrez GeneID [904](#)**Protein Accession#** [O60563](#)**Gene Name** CCNT1**Gene Alias** CCNT, CYCT1**Gene Description** cyclin T1**Omim ID** [602506](#)**Gene Ontology** [Hyperlink](#)

Gene Summary

The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin tightly associates with CDK9 kinase, and was found to be a major subunit of the transcription elongation factor p-TEFb. The kinase complex containing this cyclin 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. This cyclin 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. [provided by RefSeq]

Other Designations CDK9-associated C-type protein|cyclin C-related protein|cyclin T1b|subunit of positive elongation transcription factor b

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)