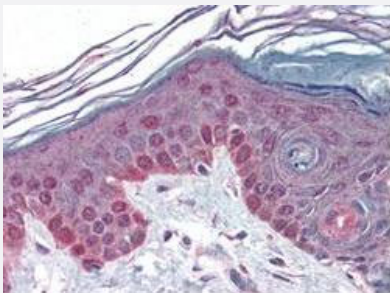


CCNT1 polyclonal antibody

Catalog # PAB9999

Size 100 uL

Applications



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

Immunohistochemical staining with CCNT1 polyclonal antibody (Cat # PAB9999) was diluted 1 : 500 to detect CCNT1 in human skin tissue. Tissue was formalin fixed and paraffin embedded. No pre-treatment of sample was required. The image shows the localization of antibody as the precipitated red signal, with a hematoxylin purple nuclear counter stain.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CCNT1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human CCNT1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:1000-1:5000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH ₂ PO ₄ , 150 mM NaCl, pH 7.2 (0.01% 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
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunoprecipitation
- Enzyme-linked Immunoabsorbent Assay

Gene Info — CCNT1

Entrez GeneID [904](#)

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

Publication Reference

- [Binding of CDK9 to TRAF2.](#)

MacLachlan TK, Sang N, De Luca A, Puri PL, Levrero M, Giordano A.

Journal of Cellular Biochemistry 1998 Dec; 71(4):467.

- [CDK9 \(PITALRE\): a multifunctional cdc2-related kinase.](#)

de Falco G, Giordano A.

Journal of Cellular Physiology 1998 Dec; 177(4):501.

Application: IP, WB-Ce, WB-Re, WB-Tr, Human, Cancers, Mammalian cells, Recombinant protein

- [Cloning of murine CDK9/PITALRE and its tissue-specific expression in development.](#)

Bagella L, MacLachlan TK, Buono RJ, Pisano MM, Giordano A, De Luca A.

Journal of Cellular Physiology 1998 Nov; 177(2):206.

Disease

- [Disease Progression](#)

- [Disease Susceptibility](#)

- [HIV Infections](#)