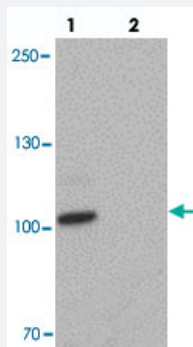


CCNT1 polyclonal antibody

Catalog # PAB27231 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of CCNT1 in rat brain tissue with CCNT1 polyclonal antibody (Cat # PAB27231) at 1 ug/mL in (lane 1) the absence and (lane 2) the presence of blocking peptide.

Specification

| | |
|----------------------------|---|
| Product Description | Rabbit polyclonal antibody raised against synthetic peptide of CCNT1. |
| Immunogen | A synthetic peptide corresponding to 18 amino acids at C-terminus of human CCNT1. |
| Host | Rabbit |
| Reactivity | Human, Mouse, Rat |
| Form | Liquid |
| Purification | Peptide affinity purification |
| Concentration | 1 mg/mL |
| Isotype | IgG |
| Recommend Usage | Western Blot (1 ug/mL) Immunohistochemistry (2.5 ug/mL) Immunofluorescence (20 ug/mL) The optimal working dilution should be determined by the end user. |
| Storage Buffer | In PBS (0.02% sodium azide) |

Storage Instruction

Store at 4°C for three months. 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 (Tissue lysate)

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- Immunohistochemistry

- Immunofluorescence

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CCNT1

Entrez GeneID[904](#)**Protein Accession#**[NP_001231](#)**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](#)