

Rabbit CCNT1 Polyclonal Antibody | anti-CCNT1 antibody

CCNT1 Antibody

CATALOG # AAA40634	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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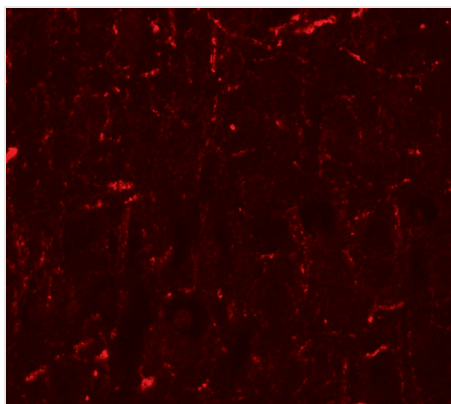
PRODUCT SYNONYMS

CCNT1; Polyclonal Antibody; CCNT1 Antibody; CCNT; CYCT1; HIVE1; Cyclin-T1; CycT1; cyclin T1; anti-CCNT1 antibody

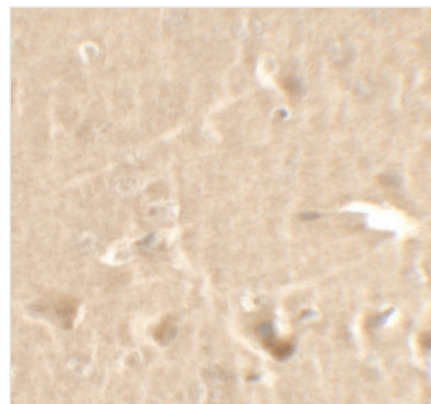
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	CCNT1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	726
Applicable Applications for anti-CCNT1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Rabbit polyclonal CCNT1 antibody was raised against an 18 amino acid peptide near the carboxy terminus of human CCNT1.
Buffer	CCNT1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	CCNT1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

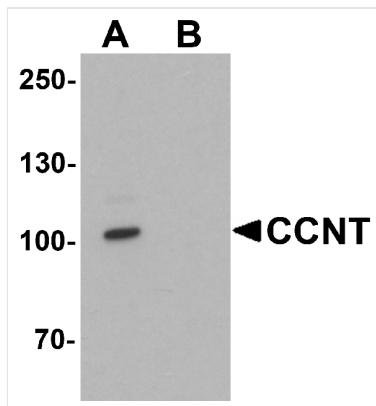
IMAGES


IF (Immunofluorescence)

Immunofluorescence of CCNT1 in rat brain tissue with CCNT1 antibody at 20 µg/ml.


IHC (Immunohistochemistry)

Immunohistochemistry of CCNT1 in rat brain tissue with CCNT1 antibody at 2.5 µg/ml.



WB (Western Blot)

Western blot analysis of CCNT1 in rat brain tissue lysate with CCNT1 antibody at 1 μg/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CCNT1 antibody

CCNT1 Antibody: Cyclins function as regulators of CDK kinases and exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. The cyclin-T1 protein (CCNT1) belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. CCNT1 tightly associates with CDK9 kinase, and was found to be a major subunit of the transcription elongation factor p-TEFb. The kinase complex containing CCNT1 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. CCNT1 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	17978466
NCBI GeneID	904
NCBI Accession #	NP_001231
NCBI GenBank Nucleotide #	NM_001240.3
UniProt Accession #	O60563 ; O60581 ; A9XU13 ; E7EX76
Molecular Weight	Predicted: 80 kDa
NCBI Official Full Name	cyclin-T1 isoform a
NCBI Official Synonym Full Names	cyclin T1
NCBI Official Symbol	CCNT1
NCBI Official Synonym Symbols	CCNT; CYCT1; HIVE1
NCBI Protein Information	cyclin-T1; cyclin C-related protein; CDK9-associated C-type protein; human immunodeficiency virus type 1 (HIV-1) expression (elevated) 1
UniProt Protein Name	Cyclin-T1
UniProt Gene Name	CCNT1
UniProt Synonym Gene Names	CycT1; Cyclin-T
UniProt Entry Name	CCNT1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

