CCNT1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CCNT1, Polyclonal Antibody
Full Product Name	CCNT1 Polyclonal Antibody
Product Gene Name	anti-CCNT1 antibody
Product Synonym Names	Cyclin-T1; CycT1; Cyclin-T; CCNT1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	79
OMIM	143055
3D Structure	ModBase 3D Structure for O60563
Immunogen	Synthesized peptide derived from human protein. at AA range: 220-300
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CCNT1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CCNT1 antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-CCNT1 antibody	MBS8530919 is an antibody targeting CCNT1. Also known as CCNT1 Polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-CCNT1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CCNT1. It may not necessarily be applicable to this product.

NCBI GI #	17978466
NCBI GeneID	904
NCBI Accession #	NP_001231.2
UniProt Primary Accession #	O60563
UniProt Secondary Accession #	O60581; A9XU13; E7EX76
UniProt Related Accession #	O60563
GenBank Nucleotide #	NM_001240.3

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
UniProt Protein Name	Cyclin-T1
Protein Family	Cyclin
UniProt Gene Name	CCNT1
UniProt Synonym Gene Names	CycT1; Cyclin-T
NCBI Protein Information	cyclin-T1
NCBI Summary for CCNT1	This gene encodes a member of the highly conserved cyclin C subfamily. The encoded protein tightly associates with cyclin-dependent kinase 9, and is a major subunit of positive transcription elongation factor b (p-TEFb). In humans, there are multiple forms of positive transcription elongation factor b, which may include one of several different cyclins along with cyclin-dependent kinase 9. The complex containing the encoded cyclin and cyclin-dependent kinase 9 acts as a cofactor of human immunodeficiency virus type 1 (HIV-1) Tat protein, and is both necessary and sufficient for full activation of viral transcription. This cyclin and its kinase partner are also involved in triggering transcript elongation through phosphorylation of the carboxy-terminal domain of the largest RNA polymerase II subunit. Overexpression of this gene is implicated in tumor growth. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2013]
UniProt Comments for CCNT1	Regulatory subunit of the cyclin-dependent kinase pair (CDK9/cyclin-T1) complex, also called positive transcription elongation factor B (P-TEFb), which is proposed to facilitate the transition from abortive to productive elongation by phosphorylating the CTD (carboxy-terminal domain) of the large subunit of RNA polymerase II (RNA Pol II).
Research Articles on CCNT1	**1.** ASF/SF2 is identified as a splicing regulator of cyclin T1, which contributes to the control of the subsequent transcription events.
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