

Cyclin T1 Rabbit pAb

Catalog No.: A0961

Basic Information

Observed MW

81kDa

Calculated MW

81kDa

Category

Primary antibody

Applications

WB,FC

Cross-Reactivity

Human, Mouse

Background

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.

Recommended Dilutions

WB	1:200 - 1:500
FC	1:20 - 1:50

Immunogen Information

Gene ID

904

Swiss Prot

O60563

Immunogen

A synthetic peptide of human Cyclin T1

Synonyms

CCNT; CYCT1; HIVE1; Cyclin T1

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

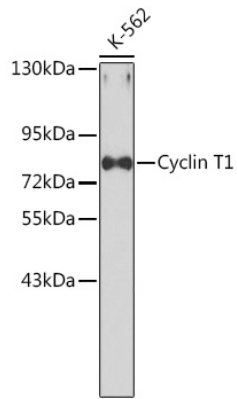
Affinity purification

Storage

Store at 4°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,pH7.3.

Validation Data



Western blot analysis of extracts of K-562 cells, using Cyclin T1 antibody (A0961).
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.