

Product datasheet

Anti-Cyclin T2/CCNT2 antibody [2128C1α] ab50979

[3 References](#) [2 Images](#)

Overview

Product name	Anti-Cyclin T2/CCNT2 antibody [2128C1α]
Description	Mouse monoclonal [2128C1α] to Cyclin T2/CCNT2
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human, Recombinant fragment
Immunogen	Recombinant fragment corresponding to Human Cyclin T2/CCNT2 (C terminal). Database link: O60583
Epitope	ab50979 was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum.
General notes	<p>This antibody recognizes Cyclin T2a and T2b since it is made by immunogen-peptide that is common domain from both protein.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	pH: 7.40 Preservative: 0.05% Sodium azide Constituents: 0.03% Potassium phosphate, 0.812% Sodium chloride, 0.1312% Sodium phosphate, 0.0225% Potassium chloride, 1% BSA, PBS
Purity	Protein G purified
Clonality	Monoclonal

Clone number 2128C1a

Isotype IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab50979 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 81 kDa.

Target

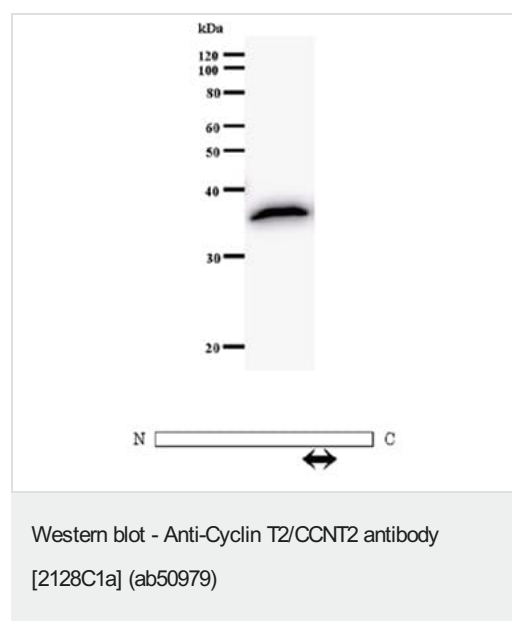
Function Regulatory subunit of the cyclin-dependent kinase pair (CDK9/cyclin T) complex, also called positive transcription elongation factor B (P-TEFB), which is proposed to facilitate the transition from abortive to production elongation by phosphorylating the CTD (carboxy-terminal domain) of the large subunit of RNA polymerase II (RNAP II).

Tissue specificity Ubiquitously expressed.

Sequence similarities Belongs to the cyclin family. Cyclin C subfamily.

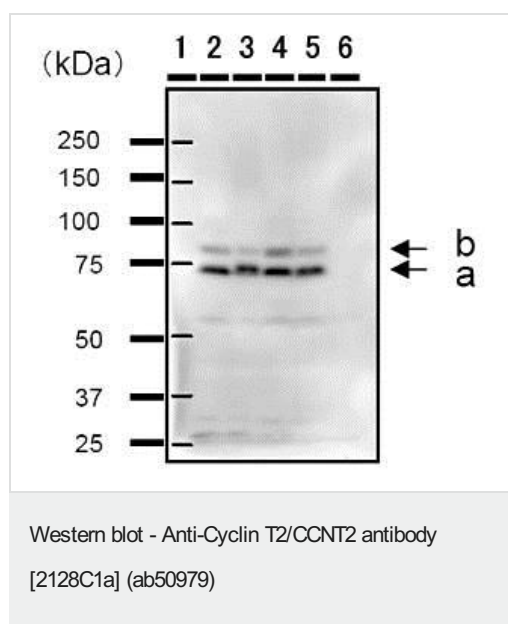
Cellular localization Nucleus.

Images



Anti-Cyclin T2/CCNT2 antibody [2128C1a] (ab50979) + recombinant protein fragment used as immunogen. Diagram underneath blot depicts region of Cyclin T2 protein that was employed as immunogen (arrow).

Predicted band size: 81 kDa



All lanes : Anti-Cyclin T2/CCNT2 antibody [2128C1a] (ab50979)

Lane 1 : Molecular Weight Marker

Lane 2 : 50µg HeLa Whole cell lysate

Lane 3 : 50µg HT-1080 Whole cell lysate

Lane 4 : 50 µg HEK293 Whole cell lysate

Lane 5 : 50µg A2058 Whole cell lysate

Lane 6 : 50µg H1H3T3 Whole cell Lysate

Secondary

Lanes 2-6 : Mouse IgG Antibody 1/2500

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 81 kDa

Exposure time: 1 minute

8% SDS-PAGE gel;

a- Isoform a = 74kDa (663 a.a.);

b - Isoform b = 81kDa (730 a.a.)

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