


Product datasheet

Anti-Cyclin Y antibody ab114086

[2 References](#) [1 Image](#)

Overview

Product name	Anti-Cyclin Y antibody
Description	Rabbit polyclonal to Cyclin Y
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rabbit, Horse, Guinea pig, Cow, Dog, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Bat 
Immunogen	Synthetic peptide corresponding to Human Cyclin Y. Between aa 291 and 341 Database link: Q8ND76
Positive control	HeLa, 293T, NIH 3T3 and MCF7 whole cell lysates
General notes	<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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate pH 7-8
Purity	Immunogen affinity purified
Purification notes	ab114086 was affinity purified using an epitope specific to Cyclin Y immobilized on solid support.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab114086 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		1/500 - 1/2500. Predicted molecular weight: 39 kDa.

Target

Function

Positive regulatory subunit of the cyclin-dependent kinases CDK14/PFTK1 and CDK16. Acts as a cell-cycle regulator of Wnt signaling pathway during G2/M phase by recruiting CDK14/PFTK1 to the plasma membrane and promoting phosphorylation of LRP6, leading to the activation of the Wnt signaling pathway. Recruits CDK16 to the plasma membrane. Isoform 3 might play a role in the activation of MYC-mediated transcription.

Tissue specificity

Widely expressed.

Sequence similarities

Belongs to the cyclin family. Cyclin Y subfamily.
Contains 1 cyclin N-terminal domain.

Developmental stage

Enriched at G2/M.

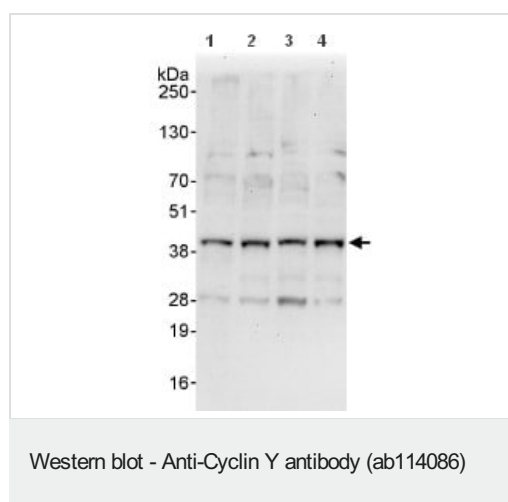
Post-translational modifications

Ubiquitinated; leading to its degradation.
Heavily phosphorylated. Phosphorylation at Ser-71 and Ser-73 by CDK14 is enhanced during the G2 and M cell cycle phases, and creates a phosphodegron triggering SCF-dependent ubiquitination.

Cellular localization

Nucleus and Cell membrane.

Images



All lanes : Anti-Cyclin Y antibody (ab114086) at 1 µg/ml

Lane 1 : HeLa whole cell lysate

Lane 2 : 293T whole cell lysate

Lane 3 : NIH3T3 whole cell lysate

Lane 4 : MCF7 whole cell lysate

Lysates/proteins at 50 µg per lane.

Predicted band size: 39 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours

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- We investigate all quality concerns to ensure our products perform to the highest standards

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