

**Product Name: Cyclin H (1A7) Mouse Monoclonal Antibody**  
**Catalog #: AMM03655**

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## Summary

<b>Production Name</b>	Cyclin H (1A7) Mouse Monoclonal Antibody
<b>Description</b>	Primary antibody
<b>Host</b>	Mouse
<b>Application</b>	WB
<b>Reactivity</b>	Human,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG2b
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purified

## Immunogen

<b>Gene Name</b>	CCNH
<b>Alternative Names</b>	CCNH; Cyclin-H; MO15-associated protein; p34; p37
<b>Gene ID</b>	902
<b>SwissProt ID</b>	P51946

## Application

<b>Dilution Ratio</b>	WB: 1/500-1/1000
<b>Molecular Weight</b>	Calculated MW: 38 kDa; Observed MW: 38 kDa

## Background

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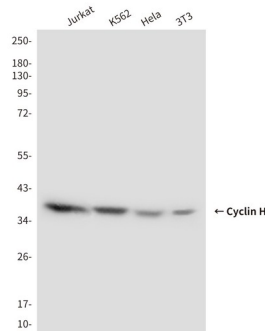
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Regulates CDK7, the catalytic subunit of the CDK-activating kinase (CAK) enzymatic complex. CAK activates the cyclin-associated kinases CDK1, CDK2, CDK4 and CDK6 by threonine phosphorylation. CAK complexed to the core-TFIIF basal transcription factor activates RNA polymerase II by serine phosphorylation of the repetitive C-terminal domain (CTD) of its large subunit (POLR2A), allowing its escape from the promoter and elongation of the transcripts. Involved in cell cycle control and in RNA transcription by RNA polymerase II. Its expression and activity are constant throughout the cell cycle.

## Research Area

Cell Biology

## Image Data



Western blot analysis of Cyclin H in Jurkat, K562, HeLa and 3T3 lysates using Cyclin H antibody.

## Note

For research use only.