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**Product Name: CyclinH Rabbit Monoclonal Antibody****Catalog #: AMRe83840**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ICC,FC,IP
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide,0.05% protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:1000-1:2000,IHC 1:100-1:200,ICC/IF 1:50-1:200,ICC 1:50-1:200,FC 1:20-1:100,IP 1:20-1:50
<b>Molecular Weight</b>	38 kDa

**Antigen Information**

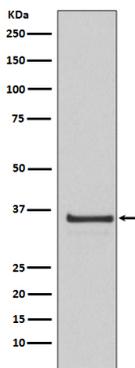
<b>Gene Name</b>	CyclinH
<b>Alternative Names</b>	CAK; CCNH; CDK-activating kinase; cyclin H; cyclin-dependent kinase-activating kinase; Cyclin-H; MO15-associated protein; p34; p37;;Cyclin H
<b>Gene ID</b>	
<b>SwissProt ID</b>	P51946
<b>Immunogen</b>	A synthesized peptide derived from human Cyclin H

**Background**

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-TFIID 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

## Image Data



Western blot analysis of Cyclin H expression in HeLa cell lysate.