

Product Name: Cyclin H Mouse Monoclonal Antibody**Catalog #: AMM85049**

For research use only.

Summary

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|----------------------|---|
| Description | Mouse monoclonal Antibody |
| Host | Mouse |
| Application | WB |
| Reactivity | Human,Mouse |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | Mouse IgG2b |
| Clonality | Monoclonal |
| Form | Liquid |
| Concentration | 1mg/ml |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | Purified antibody in PBS with 0.05% sodium azide,0.5%protective protein and 50% glycerol. |
| Purification | Affinity Purification |

Application

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|-------------------------|--|
| Dilution Ratio | WB 1:500-1:1000 |
| Molecular Weight | Calculated MW: 38 kDa; Observed MW: 38 kDa |

Antigen Information

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| Gene Name | Cyclin H |
| Alternative Names | CCNH; Cyclin-H; MO15-associated protein; p34; p37 |
| Gene ID | 902.0 |
| SwissProt ID | P51946 |
| Immunogen | Purified recombinant human Cyclin H protein fragments expressed in E.coli. |

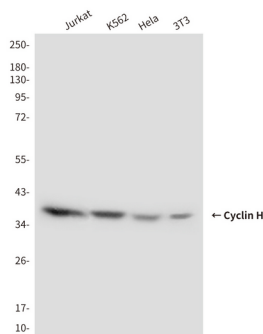
Background

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 in Jurkat, K562, HeLa and 3T3 lysates using Cyclin H antibody.