Product Name: Cyclin H (4E11) Mouse Monoclonal Antibody
Catalog #: AMM03452

Summary

Production Name	Cyclin H (4E11) Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,IP
Reactivity	Human

Performance

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

Immunogen

Gene Name	CCNH
Alternative Names	CCNH; Cyclin-H; MO15-associated protein; p34; p37
Gene ID	902
SwissProt ID	P51946.

Application

Dilution Ratio	WB: 1:500-1:1000 IP: 1:20
Molecular Weight	Calculated MW: 38 kDa; Observed MW: 38 kDa

Background

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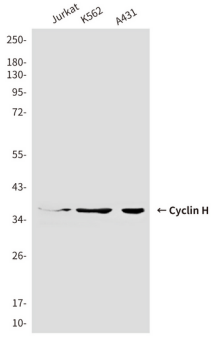
Regulates CDK7, the catalytic subunit of the CDK-activating kinase (CAK) enzymatic complex. CAK activates the cyclin-associated kinases CDK1, CDK2, CDK4 and CDK6 by threonine phosphorylation. CAK complexed to the core-TFIIH basal transcription factor activates RNA polymerase II by serine phosphorylation 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.

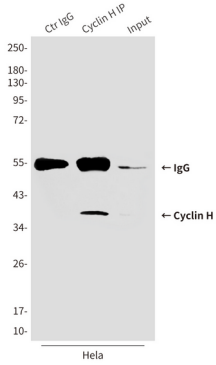
Research Area

Cell Biology

Image Data



Western blot analysis of Cyclin H in Jurkat, K562 and A431 lysates using Cyclin H antibody.



Immunoprecipitation analysis of Cyclin H (4E11) in Hela lysates using Cyclin H antibody.

Note

For research use only.