

Anti-Cyclin H/p34 Rabbit Monoclonal Antibody

Catalog # ABO16313

Product Information

Application	WB
Primary Accession	P51946
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Cyclin H/p34 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	902
Other Names	Cyclin-H, MO15-associated protein, p34, p37, CCNH
Calculated MW	37643
Application Details	WB 1:500-1:2000
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 28C49
Immunogen	A synthesized peptide derived from human Cyclin H/p34
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

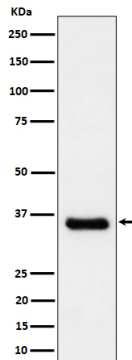
Name	CCNH
Function	Component of the CDK-activating kinase (CAK) complex, a master regulator of CDK activity by catalyzing the activating threonine phosphorylation of CDKs (PubMed: 41100585). Binds and activates cyclin- dependent protein kinase CDK7, the catalytic subunit of CAK (PubMed: 41100585). CAK activates major mediators of cell cycle control, including CDK1, CDK2, CDK4 and CDK6, and plays a key role in regulating cell cycle progression (PubMed: 41100585). 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 (PubMed:[7533895](#), PubMed:[10024882](#)). Involved in cell cycle control and in RNA transcription by RNA polymerase II (PubMed:[7533895](#), PubMed:[10024882](#)). Its expression and activity are constant throughout the cell cycle.

Cellular Location

Nucleus.

Images



Western blot analysis of Cyclin H/p34 expression in A431 cell lysate.

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