

CYCLIN H (4E11) MOUSE MAB

Cat.#: N261046

Product Name: Anti-Cyclin H (4E11) Mouse Monoclonal Antibody

Synonyms: CCNH; Cyclin-H; MO15-associated protein; p34; p37

UNIPROT ID: P51946

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.

Immunogen: Purified recombinant human Cyclin H protein fragments expressed in E.coli.

Applications: WB,IP

Recommended Dilutions: WB: 1/500-1/1000 IP: 1/20

Host Species: Mouse

Clonality: Mouse Monoclonal

Clone ID: 4E11-G2-D7

MW: Calculated MW: 38 kDa; Observed MW: 38 kDa

Isotype: IgG2b

Purification: Affinity Purified

Species Reactivity: Human

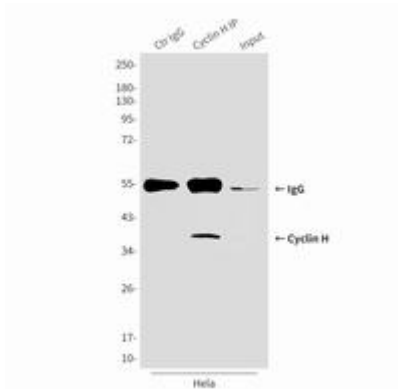
Conjugation: Unconjugated

Modification: Unmodified

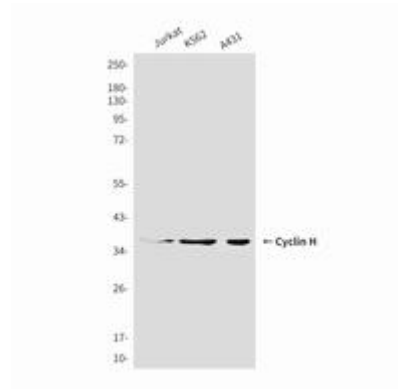
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Cell Biology

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



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



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