

## CYCLIN H RABBIT MAB

**Cat.#:** N263290

**Product Name:** Anti-Cyclin H Rabbit 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:** A synthetic peptide of human Cyclin H/p34

**Applications:** WB, ICC/IF, IP

**Recommended Dilutions:** WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20

**Host Species:** Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R02-414

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

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human, Mouse

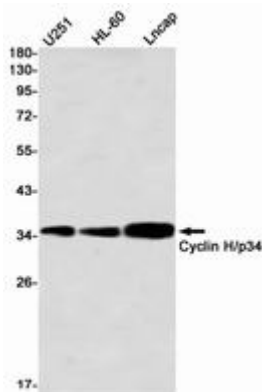
**Conjugation:** Unconjugated

**Modification:** Unmodified

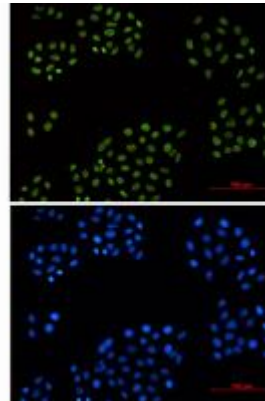
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Cell Biology

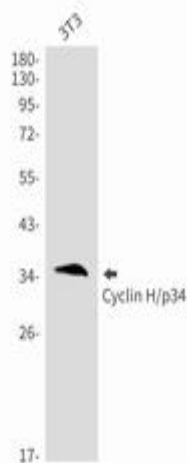
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Western blot analysis of Cyclin H/p34 in U251, HL-60, Lncap lysates using Cyclin H/p34 antibody



Immunocytochemistry analysis of Cyclin H (green) in HeLa using Cyclin H antibody, and DAPI (blue).



Western blot analysis of Cyclin H/p34 in 3T3 lysates using Cyclin H/p34 antibody.