

**Product Name: Cyclin H Rabbit Monoclonal Antibody**  
**Catalog #: AMRe02961**



## Summary

|                        |                                     |
|------------------------|-------------------------------------|
| <b>Production Name</b> | Cyclin H Rabbit Monoclonal Antibody |
| <b>Description</b>     | Rabbit Monoclonal antibody          |
| <b>Host</b>            | Rabbit                              |
| <b>Application</b>     | WB, ICC/IF, IP                      |
| <b>Reactivity</b>      | Human, Mouse                        |

## Performance

|                     |                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                                         |
| <b>Modification</b> | Unmodified                                                                                           |
| <b>Isotype</b>      | IgG                                                                                                  |
| <b>Clonality</b>    | Monoclonal                                                                                           |
| <b>Form</b>         | Liquid                                                                                               |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.             |
| <b>Buffer</b>       | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein |
| <b>Purification</b> | Affinity Purification                                                                                |

## Immunogen

|                          |                                                   |
|--------------------------|---------------------------------------------------|
| <b>Gene Name</b>         | CCNH                                              |
| <b>Alternative Names</b> | CCNH; Cyclin-H; MO15-associated protein; p34; p37 |
| <b>Gene ID</b>           | 902                                               |
| <b>SwissProt ID</b>      | P51946.                                           |

## Application

|                         |                                            |
|-------------------------|--------------------------------------------|
| <b>Dilution Ratio</b>   | WB: 1:500-1:1000 IF: 1:50-1:200 IP: 1:20   |
| <b>Molecular Weight</b> | Calculated MW: 38 kDa; Observed MW: 38 kDa |

## Background

**Product Name: Cyclin H Rabbit Monoclonal Antibody**  
**Catalog #: AMRe02961**

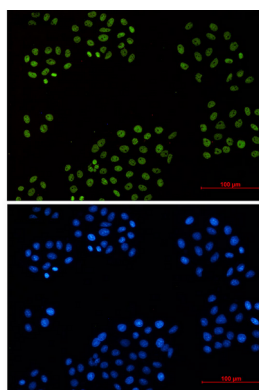


Regulates CDK7, the catalytic subunit of the CDK-activating kinase (CAK) enzymatic complex. CAK activates the cyclin-associated kinases CDK1, CDK2, CDK4 and CDK6 by threonine phosphorylation. CAK complexed to the core-TFIIF basal transcription factor activates RNA polymerase II by serine phosphorylation of the repetitive C-terminal domain (CTD) of its large subunit (POLR2A), allowing its escape from the promoter and elongation of the transcripts. Involved in cell cycle control and in RNA transcription by RNA polymerase II. Its expression and activity are constant throughout the cell cycle.

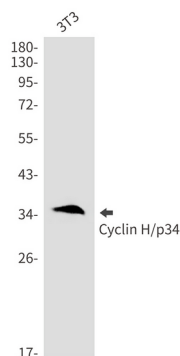
## Research Area

Cell Biology

## Image Data

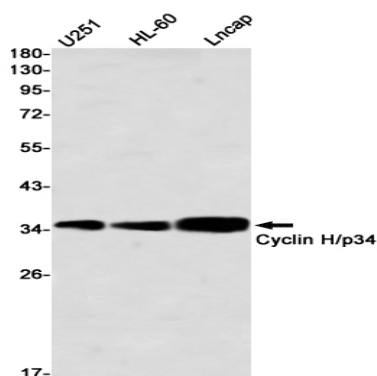


Immunocytochemistry analysis of Cyclin H (green) in HeLa using Cyclin H antibody, and DAPI (blue).



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

**Product Name: Cyclin H Rabbit Monoclonal Antibody**  
**Catalog #: AMRe02961**



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

### **Note**

For research use only.