

Cyclin H Ab

[Images\(1\)](#)

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| Cat.#: AF0088 | Concn.: ~1mg/ml | Mol.Wt.: 36kDa |
| Size: | Source: Rabbit | Clonality: Polyclonal |
| Application: | WB 1:500-1:3000, IHC 1:50-1:200, IF/ICC: 1:100-1:500 *The optimal dilutions should be determined by the end user. | |
| Reactivity: | Human, Mouse, Rat | |
| Storage: | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt. | |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). | |
| Immunogen: | A synthesized peptide derived from human Cyclin H, corresponding to a region within C-terminal amino acids. | |
| Uniprot: | P51946 | |
| Description: | CCNH Regulates CDK7, the catalytic subunit of the CDK- activating kinase (CAK) enzymatic complex. CAK activates the cyclin-associated kinases CDC2/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-terminus 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. Belongs to the cyclin family. Cyclin C subfamily. Associates primarily with CDK7 and MAT1 to form the CAK complex. | |

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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