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**anti-Cyclin H**

Cat #: HM1106  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

Cell cycle progression is controlled by distinct protein kinase complexes. These complexes consist of a regulatory subunit (cyclin and related proteins) and a catalytic subunit (cyclin-dependent kinases-cdks). Cyclin H belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. Cyclin H forms a complex with CDK7 kinase and ring finger protein MAT1. The kinase complex is able to phosphorylate CDK2 and CDC2 kinases, thus functions as a CDK-activating kinase. Cyclin H and its kinase partner are components of TFIIH, as well as RNA polymerase II protein complexes. They participate in two different transcriptional regulation processes, suggesting an important link between basal transcription control and the cell cycle machinery.

**SPECIFICITY**

This antibody specifically recognizes Cyclin H of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunostaining.

**IMMUNOGEN**

A peptide mapping at the carboxy terminus of cyclin H of human origin.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8°C.

**REFERENCE**

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