



Cyclin H

Mouse monoclonal Antibody

#53539

Catalog Number: 53539

Amount: 100µg/100µl

Swiss-Prot No. : P51946

Gene name:ccnh

Gene id:902

Clone Number: 4E11-G2-D7

Form of Antibody:Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Storage/Stability: Store at -20°C/1 year

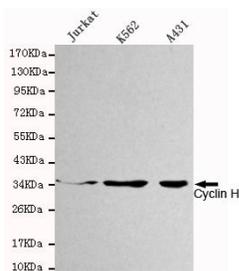
Immunogen: Purified recombinant human Cyclin H protein fragments expressed in E.coli

Purification: affinity-chromatography

Specificity/Sensitivity:This antibody detects endogenous levels of Cyclin H and does not cross-react with related proteins

Reactivity: Human

Applications: Predicted MW: 38kd WB: 1:1000



Western blot detection of Cyclin H in Jurkat, K562 and A431 cell lysates using Cyclin H mouse mAb (1:1000 diluted). Predicted band size: 38KDa. Observed band size: 38KDa.

Background:

The protein encoded by this gene 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. This cyclin 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 (CAK). This cyclin 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. A pseudogene of this gene is found on chromosome 4. Alternate splicing results in multiple transcript variants.