

Recombinant

DGRmAb®

## Cyclin H (DGR31141) Rabbit mAb

db11236

Package : 10µL 20µL 50µL 100µL

**Product Name :** Cyclin H (DGR31141) Rabbit mAb**Cat.No.:** db11236**Synonyms :** CAK; p34; p37; Cych**Application :** WB, IHC-P, ICC/IF, FC**Reactivity :** Human,Mouse**Host species :** Rabbit**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.

[provided by RefSeq, Nov 2010]

**Immunogen**

A synthetic peptide of human Cyclin H/p34

**Gene ID**

902

**Swiss Prot**

P51946

**Synonyms**

CAK; p34; p37; Cych

**Reactivity**

Human,Mouse

**Application**

WB, IHC-P, ICC/IF, FC

**Recommended dilution**

WB: 1:1000-1:5000

IHC-P: 1:50-1:100

ICC/IF: 1:50-1:100

FC: 1:20

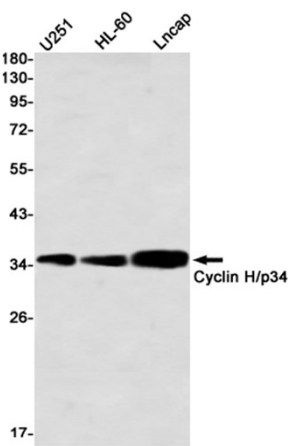
**Calculated MW**

38 kDa

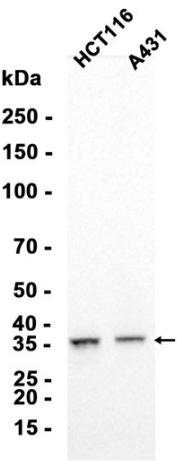
**Observed MW**

36 kDa

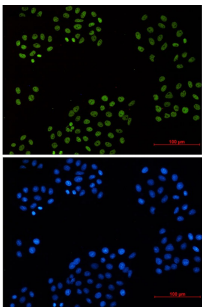
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR31141
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of Cyclin H/p34 in U251,HL-60,Lncap using Cyclin H/p34 antibody(1:1000 diluted)



Western blot analysis of extracts from HCT116, A431 cells using db11236 at 1:1000.



Immunofluorescent analysis of HeLa cells using db11236 antibody (green), and DAPI (blue).