

Cyclin H Rabbit mAb

Catalog No: #52238



Package Size: #52238-1 50ul #52238-2 100ul

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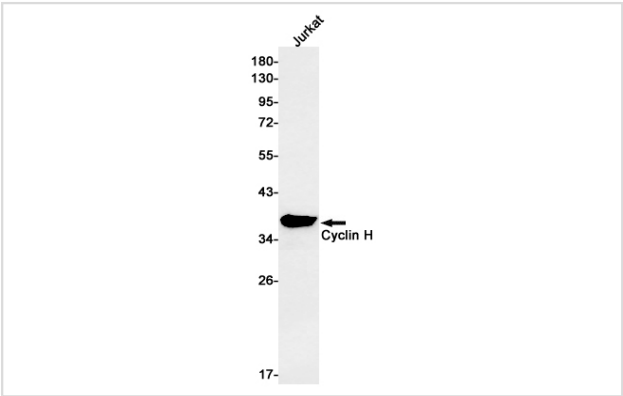
Description

Product Name	Cyclin H Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S03-0D8
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human Cyclin H
Conjugates	Unconjugated
Modification	Unmodification
Other Names	CAK; p34; p37; Cych
Accession No.	Swiss-Prot:P51946GenelD:902
Uniprot	P51946
GenelD	902
Calculated MW	Calculated MW: 38 kDa; Observed MW: 36 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

WB: 1/1000-1/5000

Images



Western blot detection of Cyclin H in Jurkat cell lysates using Cyclin H Rabbit mAb(1:1000 diluted).Predicted band size:38kDa.Observed band size:36kDa.

Background

Swiss-Prot Acc.P51946.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.

Note: This product is for in vitro research use only