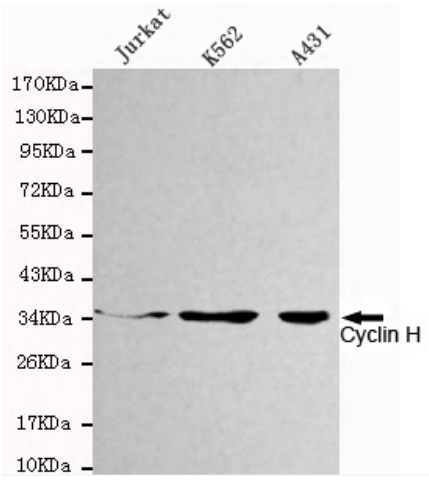
Cyclin H mouse mAb

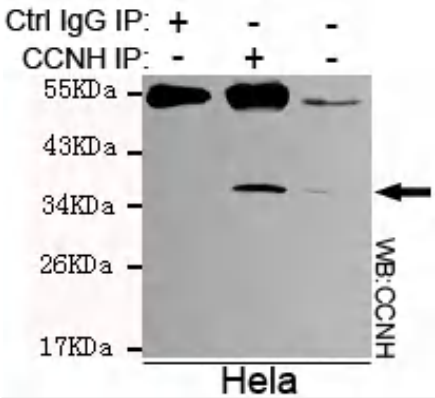
Catalog No	YP-Ab-16571
Isotype	IgG
Reactivity	Human
Applications	WB;IP
Gene Name	ccnh
Protein Name	
Immunogen	Purified recombinant human Cyclin H protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of Cyclin H and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:1000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	6330408H09Rik;AI661354;AV102684;AW538719;CAK;CAK complex subunit;ccnh;CCNH_HUMAN;CDK activating kinase;CDK activating kinase complex subunit;Cyclin dependent kinase activating kinase;cyclin dependent kinase activating kinase complex subunit;Cyclin H; CyclinH;MO15-associated protein;p34;p36;p37.
Observed Band	38kD
Cell Pathway	Nucleus.
Tissue Specificity	Bone marrow,Brain,Embryonic brain,Epithelium,Liver,Urinary bladder,
Function	function: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-TFIIH 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.,similarity:Belongs to the cyclin family.,similarity:Belongs to the cyclin family. Cyclin C subfamily.,subunit:Associates primarily with CDK7 and MAT1 to form the

	CAK complex. CAK can further associate with the core-TFIIH to form the TFIIH basal transcription factor.,
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 t
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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.



Immunoprecipitation analysis of Hela cell lysates using Cyclin H mouse mAb.