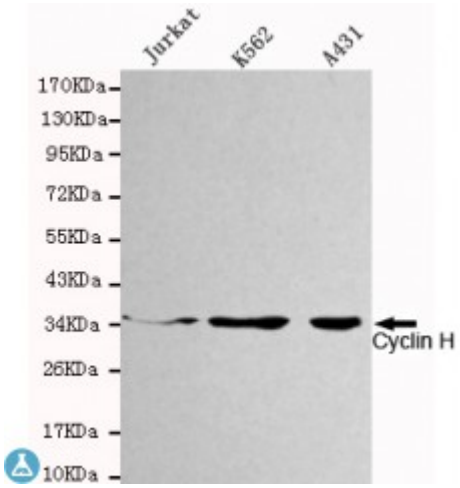
Anti-Cyclin H antibody



Description	Mouse monoclonal to Cyclin H.

Model	STJ99112
Host	Mouse
Reactivity	Human
Applications	ELISA, WB
Immunogen	Purified recombinant human Cyclin H protein fragments expressed in E.coli.
Gene ID	902
Gene Symbol	CCNH
Dilution range	WB 1:500-2000ELISA 1:10000-20000
Specificity	This antibody detects endogenous levels of Cyclin H and does not cross-react with related proteins.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clone ID	4E11-G2-D7
Note	For Research Use Only (RUO).
Protein Name	Cyclin-H MO15-associated protein p34 p37
Molecular Weight	38kDa
Clonality	Monoclonal
Conjugation	Unconjugated

Isotype	IgG2b
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:1594OMIM:601953
Alternative Names	Cyclin-H MO15-associated protein p34 p37
Function	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-TFIIH 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.
Cellular Localization	Nucleus.