

Rabbit anti-Human, Mouse Cyclin H Polyclonal Antibody | anti-CCNH antibody

Cyclin H Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322051	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

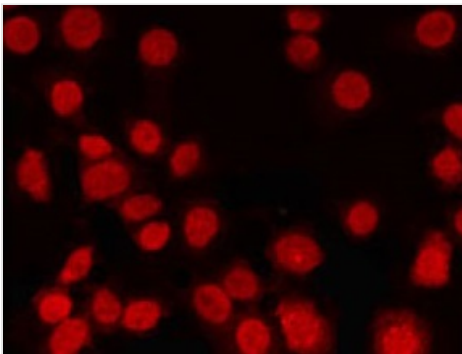
PRODUCT SYNONYMS

Cyclin H; Polyclonal Antibody; Cyclin H Antibody; 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; MO15-associated protein; p34; p36; p37; anti-CCNH antibody

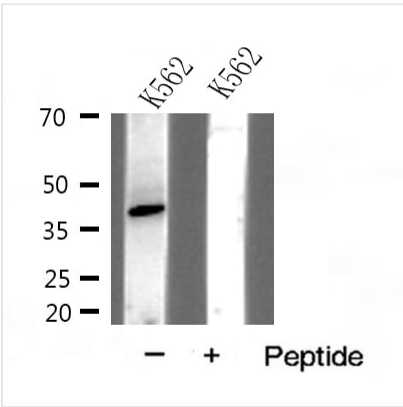
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Cyclin H antibody detects endogenous levels of total Cyclin H
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	323
Applicable Applications for anti-CCNH antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Cyclin H
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Zebrafish, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Zebrafish (89%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA322051 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of Cyclin H expression in K562 cells

ADDITIONAL INFORMATION

Related Product Information for anti-CCNH antibody	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-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. Subunit Structure: Associates primarily with CDK7 and MAT1 to form the CAK complex. CAK can further associate with the core-TFIIF to form the TFIIF basal transcription factor. Similarity: Belongs to the cyclin family. Cyclin C subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502623
NCBI GeneID	902
NCBI Accession #	NP_001230.1
NCBI GenBank Nucleotide #	NM_001239.3
UniProt Accession #	P51946; Q53X72; Q8TBL9
Molecular Weight	Observed: 37.6 kDa Predicted: 38 kDa
NCBI Official Full Name	cyclin-H isoform 1
NCBI Official Synonym Full Names	cyclin H
NCBI Official Symbol	CCNH
NCBI Official Synonym Symbols	CAK; p34; p37; Cych
NCBI Protein Information	cyclin-H
UniProt Protein Name	Cyclin-H
UniProt Gene Name	CCNH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

