

Rabbit CCNH Polyclonal Antibody | anti-CCNH antibody

CCNH Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA170025	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

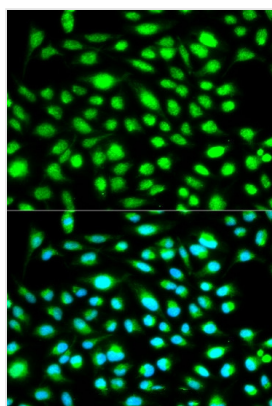
PRODUCT SYNONYMS

CCNH; Polyclonal Antibody; CCNH Antibody; CAK; p34; p37; anti-CCNH antibody

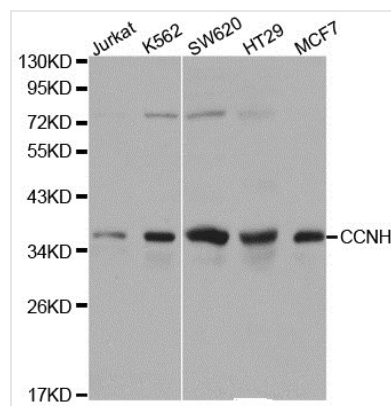
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	270
Applicable Applications for anti-CCNH antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human CCNH
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-1662
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cell using CCNH antibody. Blue: DAPI for nuclear staining.


WB (Western Blot)

Western blot analysis of extracts of various cell lines, using CCNH antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CCNH antibody	Cyclin H belongs to a conserved cyclin family that plays a critical role in the regulation of cell cycle dependent kinases (CDKs) necessary for cell cycle progression (1, 2). In general, the activity of CDKs requires the binding of appropriate cyclins as well as phosphorylation driven by Cdk-activating kinase (CAK). Cyclin H is part of the CAK complex that includes the kinase CDK7, and an assembly factor p36/Mat1, which enhances binding between cyclin H and CDK7 and increases activity (3, 4). CAK regulates progression through the cell cycle by activating cdc2, CDK2, and CDK4 kinases through phosphorylation of a critical threonine residue in the T-loop of the CDK-cyclin complexes (5, 6). The CAK complex can exist either in its free form or in association with transcription factor IIH (TFIIH) which can affect its substrate specificity (7, 8, 9). When bound to TFIIH, CAK preferentially phosphorylates the carboxy-terminal domain of RNA polymerase II (9), providing a link between cell cycle control, transcriptional regulation, and DNA repair.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	312596944
NCBI GeneID	902
NCBI Accession #	NP_001186118.1
NCBI GenBank Nucleotide #	NM_001199189.1
Molecular Weight	37,643 Da
NCBI Official Full Name	cyclin-H isoform 2
NCBI Official Synonym Full Names	cyclin H
NCBI Official Symbol	CCNH
NCBI Official Synonym Symbols	CAK; p34; p37; Cych
NCBI Protein Information	cyclin-H; CAK complex subunit; CDK-activating kinase complex subunit; MO15-associated protein; cyclin-dependent kinase-activating kinase complex subunit
UniProt Protein Name	Cyclin-H
UniProt Gene Name	CCNH
UniProt Entry Name	CCNH_HUMAN

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ccnh-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/170025>