

**CCNH antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI10013****Specification**

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**CCNH antibody - N-terminal region - Product Information**

|                   |  |
|-------------------|--|
| Application       | WB   |
| Primary Accession | <a href="#">P51946</a>   |
| Other Accession   | <a href="#">P51946</a> , <a href="#">NP_001230</a> , <a href="#">NM_001239</a> |
| Reactivity        | Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine                 |
| Predicted         | Human, Mouse, Rat, Rabbit, Pig, Chicken, Dog, Guinea Pig, Horse, Bovine        |
| Host              | Rabbit   |
| Clonality         | Polyclonal   |
| Calculated MW     | 38 kDa KDa   |

**CCNH antibody - N-terminal region - Additional Information****Gene ID** 902

|   |               |
|---|---------------|
| Alias Symbol                                      | CAK, p34, p37 |
| <b>Other Names</b>                                |               |
| Cyclin-H, MO15-associated protein, p34, p37, CCNH |               |

**Target/Specificity**

Cyclin H 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-TFIIF basal transcription factor activates RNA polymerase II by serine phosphorylation of the repetitive carboxyl-terminus domain (CTD) of its large subunit (POLR2A), allowing its escape from the promoter and elongation of the transcripts. It is involved in cell cycle control and in RNA transcription by RNA polymerase II. Its expression and activity are constant throughout the cell cycle.

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-CCNH antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

CCNH antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**CCNH antibody - N-terminal region - Protein Information****Name** CCNH

**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.

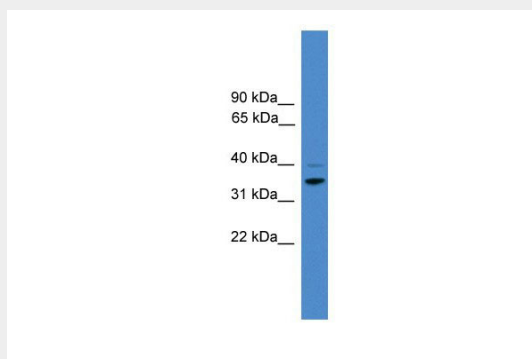
**Cellular Location**

Nucleus.

**CCNH antibody - N-terminal region - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CCNH antibody - N-terminal region - Images**

CCNH antibody - N-terminal region (AI10013) in Human HeLa cells using Western Blot  
WB Suggested Anti-CCNH Antibody Titration: 0.2-1 µg/ml  
ELISA Titer: 1:62500  
Positive Control: HeLa cell lysate  
CCNH is supported by BioGPS gene expression data to be expressed in HeLa

**CCNH antibody - N-terminal region - Background**

This is a rabbit polyclonal antibody against CCNH. It was validated on Western Blot by Abgent. At Abgent we manufacture rabbit polyclonal antibodies on a large scale (200-1000 products/month) of high throughput manner. Our antibodies are peptide based and protein family oriented. We usually provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire ([sales@abgent.com](mailto:sales@abgent.com)).