

CCNH antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI16269**Specification**

CCNH antibody - middle region - Product Information

Application	WB
Primary Accession	P51946
Other Accession	NM_001239 , NP_001230
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38kDa KDa

CCNH antibody - middle region - Additional Information**Gene ID 902**

Alias Symbol	CAK, p34, p37
Other Names	
Cyclin-H, MO15-associated protein, p34, p37, CCNH	

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 - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

CCNH antibody - middle 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-TFIH 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.

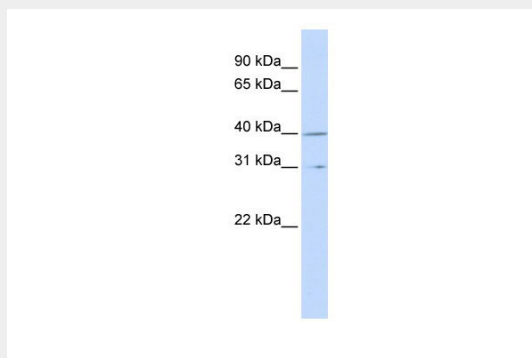
Cellular Location

Nucleus.

CCNH antibody - middle 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 - middle region - Images

WB Suggested Anti-CCNH Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:1562500

Positive Control: MCF7 cell lysate

CCNH antibody - middle region - Background

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.

CCNH antibody - middle region - References

- Maekelae T.P.,et al.Nature 371:254-257(1994).
Fisher R.P.,et al.Cell 78:713-724(1994).
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Shiekhatter R.,et al.Nature 374:283-287(1995).
Kershner E.,et al.J. Biol. Chem. 273:34444-34453(1998).