

## Cyclin H Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP02359
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Cyclin H. AA range:274-323
<b>Mol wt</b>	37643
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Cyclin H Antibody
<b>Synonyms</b>	CCNH; Cyclin-H; MO15-associated protein; p34; p37

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

Cyclin H encoded by CCNH belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with CDK7 kinase and ring finger protein MAT1. The kinase complex is able to phosphorylate CDK2 and CDC2 kinases, thus functions as a CDK-activating kinase (CAK). This cyclin and its kinase partner are components of TFIIF, as well as RNA polymerase II protein complexes. They participate in two different transcriptional regulation processes, suggesting an important link between basal transcription control and the cell cycle machinery. A pseudogene of CCNH is found on chromosome 4. Alternate splicing results in multiple transcript variants.

### Recommended Dilution

WB: 1: 500 - 1: 2000

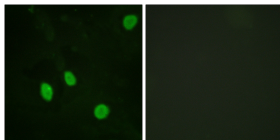
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

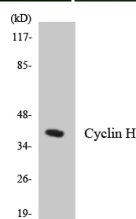
ELISA: 1: 20000

Not yet tested in other applications.

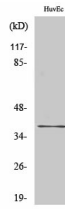
### Images



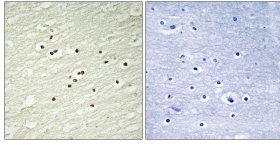
Immunofluorescence analysis of HeLa cells, using Cyclin H Antibody. The picture on the right is blocked with the synthesized peptide.



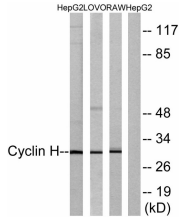
Western blot analysis of the lysates from HepG2 cells using Cyclin H antibody.



Western Blot analysis of various cells using Cyclin H Polyclonal Antibody cells nucleus.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Cyclin H Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2, LOVO, and RAW264.7 cells, using Cyclin H Antibody. The lane on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year

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