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Datasheet for ABIN7255089

## anti-Cyclin H antibody

### 1 Image

#### Overview

Quantity:	200 µL
Target:	Cyclin H (CCNH)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin H antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	Recombinant fusion protein of human CCNH (NP_001230.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

#### Target Details

Target:	Cyclin H (CCNH)
Alternative Name:	CCNH ( <a href="#">CCNH Products</a> )
Background:	The protein encoded by this gene 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

## Target Details

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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 TFIIH, 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 this gene is found on chromosome 4. Alternate splicing results in multiple transcript variants.

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Molecular Weight: Observed\_MW: 36 kDa  
Calculated\_MW: 37 kDa

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Gene ID: 902

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UniProt: [P51946](#)

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Pathways: [Cell Division Cycle](#), [Mitotic G1-G1/S Phases](#), [M Phase](#)

## Application Details

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Application Notes: WB 1:500-1:2000

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 mg/mL

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Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

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Preservative: Sodium azide

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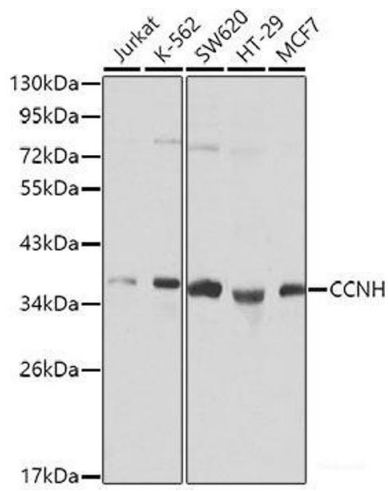
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines using CCNH Polyclonal Antibody.