Datasheet for ABIN654894

anti-Cyclin H antibody (C-Term)

3 Images

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Overview

Quantity:	400 µL
Target:	Cyclin H (CCNH)
Binding Specificity:	AA 269-299, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin H antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This CCNH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 269-299 amino acids from the C-terminal region of human CCNH.
Clone:	RB14888
Isotype:	Ig Fraction
Predicted Reactivity:	Pr
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Cyclin H (CCNH)
Alternative Name:	CCNH (CCNH Products)

Target Details

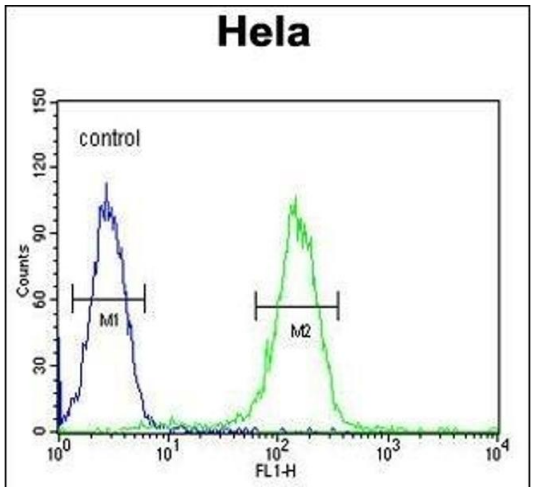
Background:	The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each 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.
Molecular Weight:	37643
Gene ID:	902
NCBI Accession:	NP_001230
UniProt:	P51946
Pathways:	Cell Division Cycle, Mitotic G1-G1/S Phases, M Phase

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

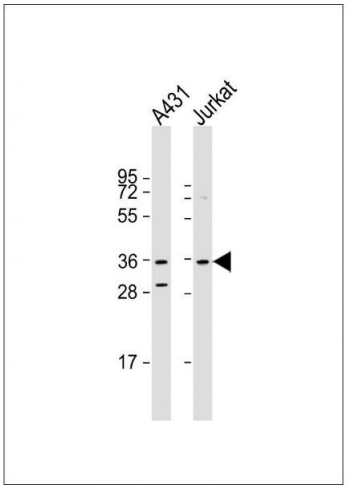
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



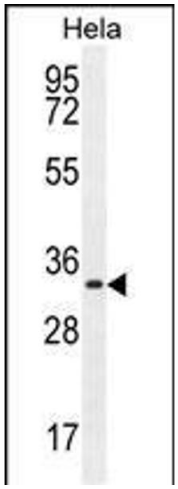
Flow Cytometry

Image 1. CCNH Antibody (C-term) (ABIN654894 and ABIN2844544) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. All lanes : Anti-CCNH Antibody (C-term) at 1:1000 dilution Lane 1: A431 whole cell lysate Lane 2: Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 38 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. CCNH Antibody (C-term) (ABIN654894 and ABIN2844544) western blot analysis in Hela cell line lysates (35 µg/lane).This demonstrates the CCNH antibody detected the CCNH protein (arrow).