

Datasheet for ABIN2792161
anti-Cyclin H antibody (C-Term)



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2 Images

Overview

Quantity:	100 µL
Target:	Cyclin H (CCNH)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Guinea Pig, Rabbit, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin H antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human CCNH
Sequence:	KQKLERCHSA ELALNVITKK RKGIEDDDYV SKKSKHEEEE WTDDDLVESL
Predicted Reactivity:	Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 83%, Rabbit: 83%, Rat: 83%
Characteristics:	This is a rabbit polyclonal antibody against CCNH. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

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

Target Details

Background:	<p>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-TFIH 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.</p> <p>Alias Symbols: CAK, p34, p37</p> <p>Protein Interaction Partner: SFN, GOLGA2, SSX2IP, CCDC170, CCDC33, DUSP12, SSSCA1, NDC80, CALCOCO2, PPFIA1, PSMA1, KLC3, RPA3, RPA2, RPA1, NEDD4, CDK7, CDK8, CDK2, CCNC, MNAT1, MBP, CTD, CDK20, CTBP2, CSNK2B, TRIM8, GANAB, RARB, POLR2A, GTF2H4, ERCC2, tat, POLR2B, CDK9, BRCA1, GTF2H1</p> <p>Protein Size: 323</p>
Molecular Weight:	38 kDa
Gene ID:	902
NCBI Accession:	NM_001239 , NP_001230
UniProt:	P51946
Pathways:	Cell Division Cycle , Mitotic G1-G1/S Phases , M Phase

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 323 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

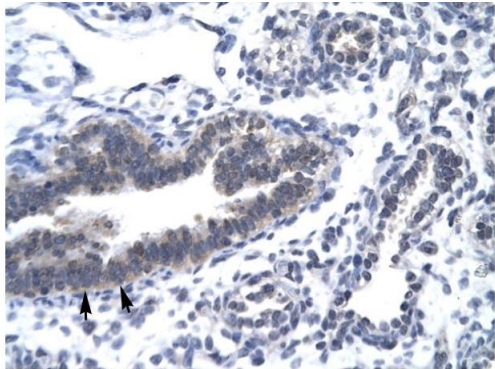
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-CCNH Antibody Titration: 1ug/ml Positive Control: Jurkat cell lysate CCNH is supported by BioGPS gene expression data to be expressed in Jurkat



Rabbit Anti-CCNH Antibody
Catalog Number: AVARP03026
Lot Number: QC0109
Paraffin Embedded Tissue: Human Lung
Cells with Positive label: Epithelial cells of bronchiole (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 2. Human Lung