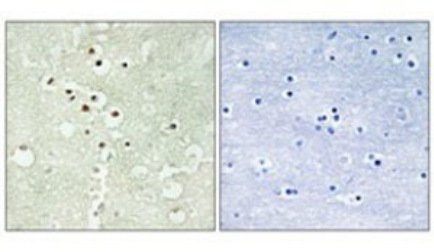
CCNH (phospho T315) polyclonal antibody

Catalog # PAB31660 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human brain (left). Negative control was pre-absorbed by immunogen peptide (right).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of human CCNH (phospho T315).
Immunogen	A synthetic peptide corresponding to amino acids 250-330 of human CCNH (phospho T315).
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of Cyclin H protein only when phosphorylated at T315.
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	ELISA (1:10000) Immunohistochemistry (1:100-300) Western Blot (1:500-2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 0.5% BSA and 0.02% sodium azide).

Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of human brain (left). Negative control was pre-absorbed by immunogen peptide (right).
- Enzyme-linked Immunoabsorbent Assay

Gene Info — CCNH

Entrez GeneID	902
Protein Accession#	P51946
Gene Name	CCNH
Gene Alias	CAK, p34, p37
Gene Description	cyclin H
Omim ID	601953
Gene Ontology	Hyperlink
Gene Summary	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 fu nction 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 co mplex with CDK7 kinase and ring finger protein MAT1. The kinase complex is able to phosphoryl ate CDK2 and CDC2 kinases, thus functions as a CDK-activating kinase (CAK). This cyclin and i ts 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 betw een basal transcription control and the cell cycle machinery. [provided by RefSeq
Other Designations	CDK-activating kinase|MO15-associated protein|cyclin-dependent kinase-activating kinase

Pathway

- Cell cycle
- Nucleotide excision repair

Disease

- Adenoma
- Ataxia telangiectasia
- Biliary Tract Neoplasms
- Brain Neoplasms
- Carcinoma
- Colorectal Neoplasms
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Glioma
- Kidney Failure
- Leukemia
- Lung Neoplasms
- Meningioma
- Mouth Neoplasms
- Multiple Sclerosis
- Neoplasm Invasiveness
- Neoplasms
- Neuroma
- Ovarian cancer
- Precancerous Conditions

- Pulmonary Disease
- Urinary Bladder Neoplasms
- Werner syndrome