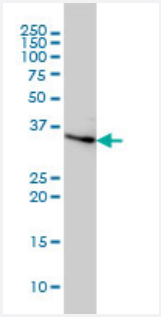
CCNH monoclonal antibody (M01), clone 1B8

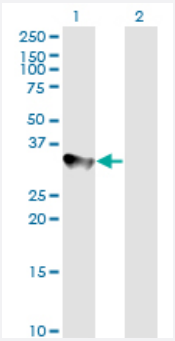
Catalog # H00000902-M01 Size 100 ug

Applications



Western Blot (Cell lysate)

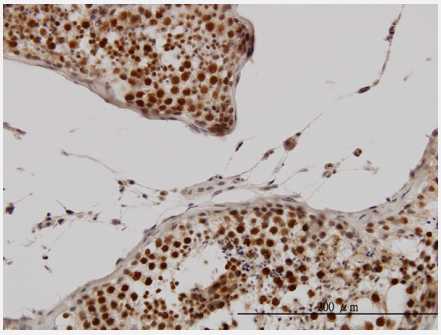
CCNH monoclonal antibody (M01), clone 1B8 Western Blot analysis of CCNH expression in HeLa (Cat # L013V1).



Western Blot (Transfected lysate)

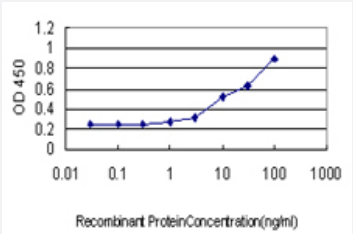
Western Blot analysis of CCNH expression in transfected 293T cell line by CCNH monoclonal antibody (M01), clone 1B8.

Lane 1: CCNH transfected lysate(37.6 KDa).
Lane 2: Non-transfected lysate.



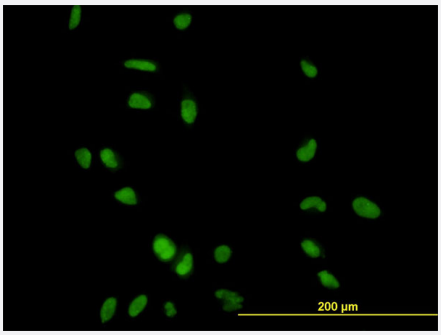
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to CCNH on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]



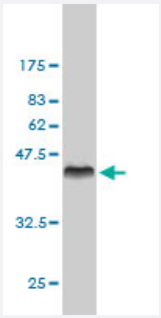
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CCNH is approximately 1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to CCNH on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37.73 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CCNH.
Immunogen	CCNH (AAH05280, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag a lone is 26 KDa.
Sequence	MYHNSSQKRHWTFSSEEQLARLRADANRKFRCKAVANGKVLPNDPVFLEPHEEMTLCKYYEKR LLEFCSVFKPAMPRSVVGTACMYFKRFYLNNSVMEYHPRIIMLTCAF
Host	Mouse
Reactivity	Human
Isotype	IgG2a kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

  CCNH monoclonal antibody (M01), clone 1B8 Western Blot analysis of CCNH expression in HeLa (Cat # L013V1).

  Protocol Download

- Western Blot (Transfected lysate)

  Western Blot analysis of CCNH expression in transfected 293T cell line by CCNH monoclonal antibody (M01), clone 1B8.

  Lane 1: CCNH transfected lysate(37.6 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

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

  Immunoperoxidase of monoclonal antibody to CCNH on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged CCNH is approximately 1ng/ml as a capture antibody.

  Protocol Download

- ELISA

- Immunofluorescence

  Immunofluorescence of monoclonal antibody to CCNH on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — CCNH

Entrez GeneID	902
GeneBank Accession#	BC005280
Protein Accession#	AAH05280
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

Publication Reference

- Mutations in UVSSA cause UV-sensitive syndrome and impair RNA polymerase IIo processing in transcription-coupled nucleotide-excision repair.

  Nakazawa Y, Sasaki K, Mitsutake N, Matsuse M, Shimada M, Nardo T, Takahashi Y, Ohyama K, Ito K, Mishima H, Nomura M, Kinoshita A, Ono S, Takenaka K, Masuyama R, Kudo T, Slor H, Utani A, Tateishi S, Yamashita S, Stefanini M, Lehmann AR, Yoshiura K, Ogi T.

  Nature Genetics 2012 May; 44(5):586.

  Application: WB, Human, Kps3 cells

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