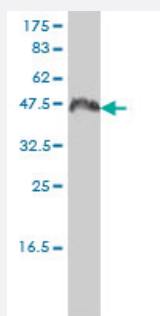


CCNK monoclonal antibody (M01), clone 3B7-1B9

Catalog # H00008812-M01

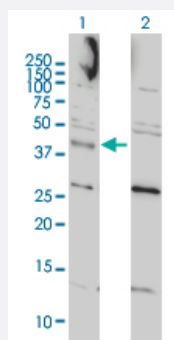
Size 100 ug

Applications



Western Blot (Cell lysate)

CCNK monoclonal antibody (M01), clone 3B7-1B9. Western Blot analysis of CCNK expression in PRC/PRF/5.

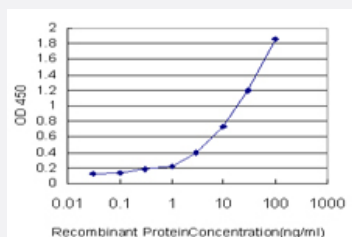


Western Blot (Transfected lysate)

Western Blot analysis of CCNK expression in transfected 293T cell line by CCNK monoclonal antibody (M01), clone 3B7-1B9.

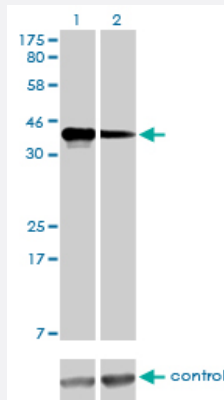
Lane 1: CCNK transfected lysate(41 KDa).

Lane 2: Non-transfected lysate.



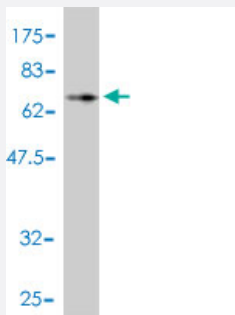
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CCNK is approximately 0.03ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of CCNK over-expressed 293 cell line, cotransfected with CCNK Validated Chimera RNAi (Cat # H00008812-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with CCNK monoclonal antibody (M01), clone 3B7-1B9 (Cat # H00008812-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (64.68 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant CCNK.
Immunogen	CCNK (AAH15935, 1 a.a. ~ 354 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MKENKENSPPSVTSANLDHTKPCWYWDKKDLAHTPSQLEGLDPATEARYRREGARFIFDVGTRL GLHYDTLATGIYFHRFYMFHSFKQFPRYVTGACCLFLAGKVEETPKKCKDIIKTARSLNDVQFGQ FGDDPKKEEVMVLERILLQTIKFDLQVEHPYQFLLKYAKQLKGDKNKIQLVQMAWTFVNDLCTTL SLQWEPEIIAVAVMYLAGRLCKFEIQEWTSKPMYRRWWEQFVQDVPVDVLEDICHQILDLYSQGK QQMPHHTPHQLQQPPSLQPTPQVPQVQQSQPSQSSEPSQPQQKDPILLQGWACRQPATHLLP SPLEDSLLCPRPFPHPAQLQLGGWGGQPG
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (64.68 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)

CCNK monoclonal antibody (M01), clone 3B7-1B9. Western Blot analysis of CCNK expression in PRC/PRF/5.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of CCNK expression in transfected 293T cell line by CCNK monoclonal antibody (M01), clone 3B7-1B9.

Lane 1: CCNK transfected lysate(41 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CCNK is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of CCNK over-expressed 293 cell line, cotransfected with CCNK Validated Chimera RNAi (Cat # H00008812-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with CCNK monoclonal antibody (M01), clone 3B7-1B9 (Cat # H00008812-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — CCNK

Entrez GeneID

[8812](#)

GeneBank Accession#

[BC015935](#)

Protein Accession#	AAH15935
Gene Name	CCNK
Gene Alias	CPR4, MGC9113
Gene Description	cyclin K
Omim ID	603544
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the transcription cyclin family. These cyclins may regulate transcription through their association with and activation of cyclin-dependent kinases (CDK) that phosphorylate the C-terminal domain (CTD) of the large subunit of RNA polymerase II. This gene product may play a dual role in regulating CDK and RNA polymerase II activities. [provided by RefSeq]
Other Designations	-

Publication Reference

- [The human HECA interacts with cyclins and CDKs to antagonize Wnt-mediated proliferation and chemoresistance of head and neck cancer cells.](#)

Dowejko A, Bauer R, Bauer K, Muller-Richter UD, Reichert TE.

Experimental Cell Research 2012 Mar; 318(5):489.

Application: IP, Human, PCI13, PCI9 cells

Disease

- [Kidney Failure](#)