
Product Name: CDK1 Mouse Monoclonal Antibody**Catalog #: AMM80961**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,ELISA
Reactivity	Human,Mouse,Rat,Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	34kDa

Antigen Information

Gene Name	CDK1
Alternative Names	CDC2; CDC28A; P34CDC2; MGC111195; DKFZp686L20222; CDK1
Gene ID	983.0
SwissProt ID	P06493
Immunogen	Purified recombinant fragment of human CDK1 expressed in E. Coli.

Background

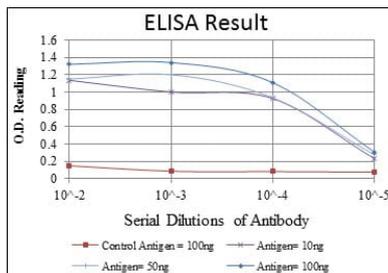
The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is a catalytic subunit of the highly conserved protein kinase complex known as M-phase promoting factor (MPF), which is essential for G1/S and G2/M phase transitions of eukaryotic cell cycle. Mitotic cyclins stably associate with this protein and function as regulatory subunits.

The kinase activity of this protein is controlled by cyclin accumulation and destruction through the cell cycle. The phosphorylation and dephosphorylation of this protein also play important regulatory roles in cell cycle control.

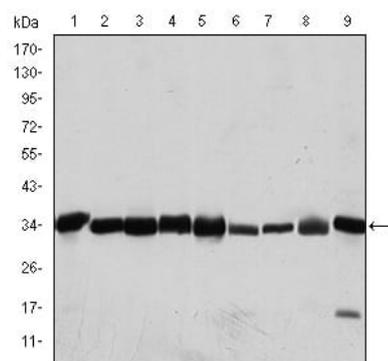
Research Area

Apoptosis

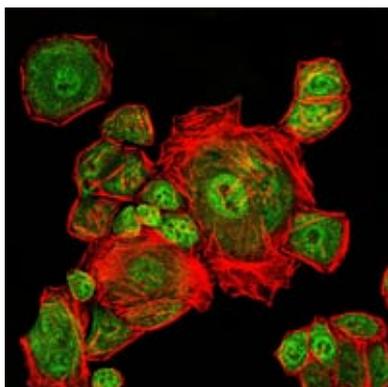
Image Data



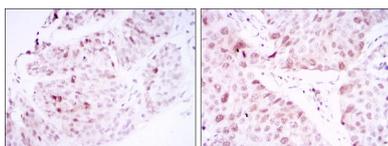
Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



Western blot analysis using CDK1 mouse mAb against HeLa (1), Jurkat (2), K562 (3), A431 (4), MCF-7 (5), RAW264.7 (6), NIN/3T3 (7), PC-12 (8), and Cos7 (9) cell lysate.



Immunofluorescence analysis of Eca109 cells using CDK1 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissues (left) and lung cancer tissues (right) using CDK1 mouse mAb with DAB staining.