

Product datasheet for **AM06594SU-N**

CDK1 Mouse Monoclonal Antibody [Clone ID: 2G9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2G9
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500-1/2000. Immunofluorescence: 1/200-1/1000. Immunohistochemistry on Paraffin Sections: 1/200-1/1000.
Reactivity:	Human, Monkey, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human CDK1 expressed in E. Coli.
Specificity:	Recognizes CDK1
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	34 kDa
Gene Name:	cyclin-dependent kinase 1
Database Link:	Entrez Gene 983 Human P06493



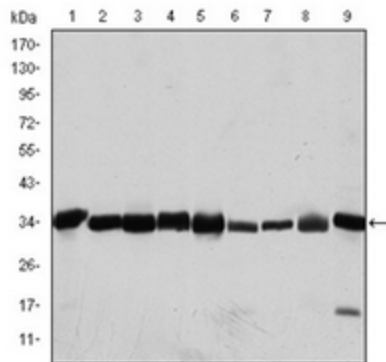
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Background:

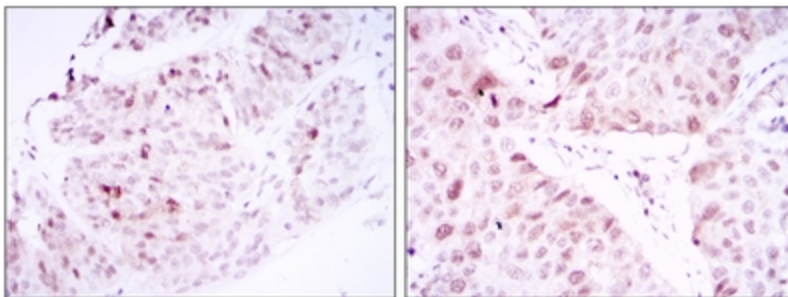
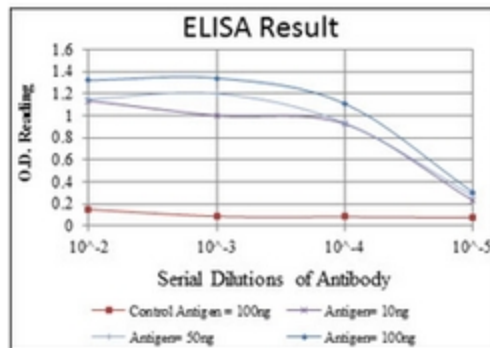
The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is a catalytic subunit of the highly conserved protein kinase complex known as M-phase promoting factor (MPF), which is essential for G1/S and G2/M phase transitions of eukaryotic cell cycle. Mitotic cyclins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

Synonyms:

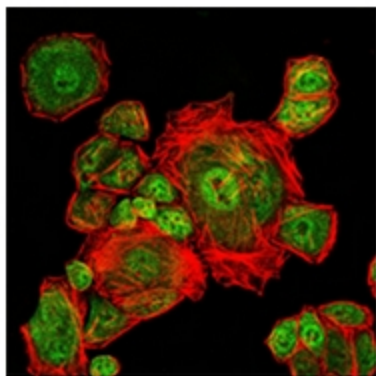
CDK1, CDC2, CDC28A, CDKN1, P34CDC2, p34 protein kinase

Product images:


Western blot analysis using CDK1 antibody Cat.-No AM06594SU-N against Hela (Lane 1), Jurkat (Lane 2), K562 (Lane 3), A431 (Lane 4), MCF-7 (Lane 5), RAW264.7 (Lane 6), NIN/3T3 (Lane 7), PC-12 (Lane 8), and Cos7 (Lane 9) cell lysate.



Immunohistochemical analysis of paraffin-embedded ovarian cancer tissues (left) and lung cancer tissues (right) using CDK1 antibody Cat.-No AM06594SU-N with DAB staining.



Immunofluorescence analysis of Eca109 cells using CDK1 antibody Cat.-No AM06594SU-N (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.