



Category: Monoclonal Antibodies
Product Name: Mouse Monoclonal Antibody to CDK1

Catalog Number: MAB-606030180

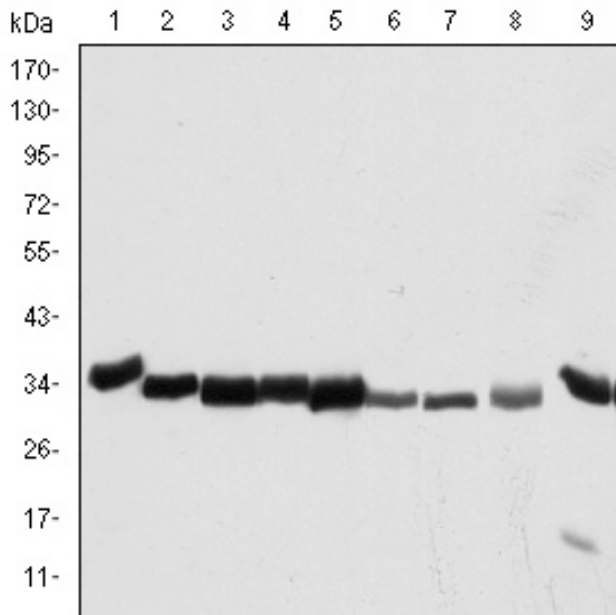


Figure 1: Western blot analysis using CDK1 mouse mAb against Hela (1), Jurkat (2), K562 (3), A431 (4), MCF-7 (5), RAW264.7 (6), NIN/3T3 (7), PC-12 (8), and Cos7 (9) cell lysate.

Lot#:
Clone#: 5A6
Host and isotype: Mouse IgG1
Size: 0.1ml
MW: 34kDa
Aliases: CDC2; CDC28A; P34CDC2; MGC111195; DKFZp686L2022; CDK1
Entrez Gene: 983
Species reactivity: Human; Mouse; Rat;

Description 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.

Immunogen Purified recombinant fragment of human CDK1 expressed in E. Coli.

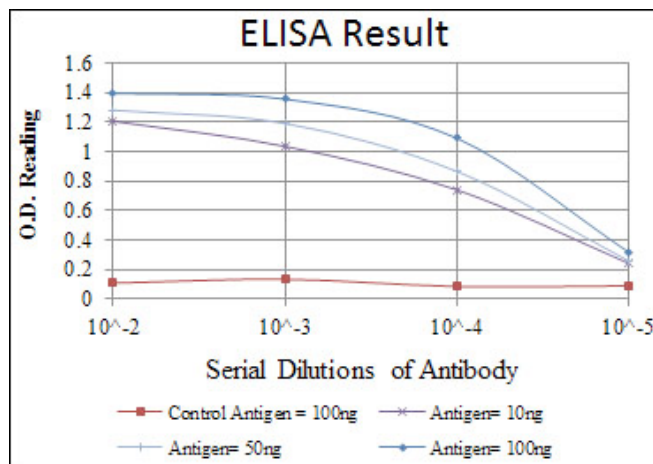
Application Western Blotting: 1/500 - 1/2000.
ELISA: Propose dilution 1/10000.
Not yet tested in other applications.
Determining optimal working dilutions by titration test.

Formulation Ascitic fluid containing 0.03% sodium azide.

Storage Store at 4°C, for long term storage, store at -20°C.

Related product

References 1. Mol Cell. 2008 May 23;30(4):447-59.
2. Zhonghua Zhong Liu Za Zhi. 2007 Jul;29(7):484-8.



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