



CDC2/CDK1

Mouse monoclonal Antibody

#53538

Catalog Number: 53538

Amount: 100µg/100µl

Swiss-Prot No. : P06493

Gene name:cdk1

Gene id:983

Clone Number: 3B9-F8-B12

Form of Antibody:Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol

Storage/Stability: Store at -20°C/1 year

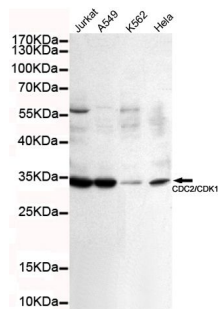
Immunogen: Purified recombinant human CDC2/CDK1 protein fragments expressed in E.coli

Purification: affinity-chromatography

Specificity/Sensitivity:This antibody detects endogenous levels of CDC2/CDK1 and does not cross-react with related proteins

Reactivity: Human,

Applications: Predicted MW: 34kd WB: 1:100 ICC:1:50



Western blot detection of CDC2/CDK1 in K562,A549,Jurkat and HeLa cell lysates using CDC2/CDK1 mouse mAb(1:100 diluted).Predicted band size: 34KDa.Observed band size: 34KDa.

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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.