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## *CDK3 Polyclonal Antibody*

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**CATALOG NUMBER:** SG4220-06  
**QUANTITY:** 100µl  
**SOURCE:** Rabbit  
**DESCRIPTION:** Polyclonal antibodies are produced by immunizing rabbits with a peptide corresponding to amino acid residue 290 - 305 (cEPSPAARQYVLQRF RH) of human CDK3 coupled to KLH.  
**SPECIFICITY/SENSITIVITY:** CDK3 antibody detects endogenous human CDK3.

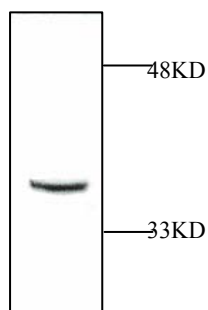


Figure 1: Western Blot analysis of 293T cell lysate.

**APPLICATION:** Western Blot, Immunoprecipitation  
**FORMAT:** Rabbit serum containing 0.02% sodium azide.  
**RECOMMENDED ANTIBODY DILUTION:** Western blot: 1:1000.  
**STORAGE/HANDLING:** Antibody is recommended being stored at -20°C. Avoid repeated freeze-thaw cycles.  
**USAGE:** FOR RESEARCH USE ONLY. NOT FOR HUMAN USE.

## **Background:**

Cell cycle progression is controlled in part by a family of cyclin proteins and cyclin dependent kinases (Cdks).

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Cdk proteins work in concert with the cyclins to phosphorylate key substrates involved in each phase of cell cycle progression. Another family of proteins, Cdk inhibitors, also plays a role in regulating cell cycle by binding to cyclin-Cdk complexes and modulating their activity. Several Cdk proteins have been identified, including Cdk2-Cdk8, PCTAIRE-1-3, PITALRE and PITSLRE. Cdk3, like Cdk2, is known to be required for the G1-S transition. Proteins involved in cell cycle control have become the subject of increased interest with regard to their potential roles in tumorigenesis. Both Cdk3 and Cdk2 have been mapped to regions of a human chromosome that may be altered in a variety of tumors.