

**bs-1341R****[ Primary Antibody ]****CDK1 Rabbit pAb****Bioss**  
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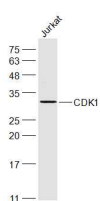
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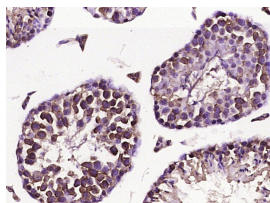
400-901-9800

**— DATASHEET —**

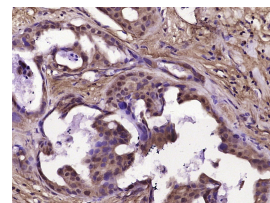
<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 983 <b>Target:</b> CDK1 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human CDC2: 201-297/297. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. <b>Background:</b> 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. [provided by RefSeq, Mar 2009]	<b>Isotype:</b> IgG <b>SWISS:</b> P06493	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)  <b>Reactivity:</b> Human, Mouse (predicted: Rat, Dog, Horse)  <b>Predicted MW.:</b> 34 kDa  <b>Subcellular Location:</b> Cytoplasm ,Nucleus
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**— VALIDATION IMAGES —**

Sample: Jurkat(Human) Cell Lysate at 30 ug  
Primary: Anti-CDK1 (bs-1341R) at 1/1000  
dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 34 kD Observed band size: 33 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CDK1) Polyclonal Antibody, Unconjugated (bs-1341R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human breast carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CDK1) Polyclonal Antibody, Unconjugated (bs-1341R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=5.6]** Shasha Liu. et al. Dietary flavonoid tectochrysin synergistically enhances cisplatin sensitivity on ovarian cancer cells through targeting the CDK1/cyclin B1 pathway. J FUNCT FOODS. 2024 Jun;117:106243 WB ;Mouse,Human. 10.1016/j.jff.2024.106243
- **[IF=5.81]** Xinyue Chang. et al. The Protective Effect of Trichilia catigua A. Juss. on DEHP-Induced Reproductive System

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Damage in Male Mice. Front Pharmacol. 2022; 13: 832789 IHC ;Mouse. 35185586

- **[IF=4.101]** Haixiang Ding. et al. Ailanthone suppresses the activity of human colorectal cancer cells through the STAT3 signaling pathway. Int J Mol Med. 2022 Feb;49(2):1-11 WB ;Human. 34958109
- **[IF=2.8]** Jie-Mei Jiang. et al. Proteomic insights into the molecular mechanism of anlotinib inhibition in TP53-mutated non-small cell lung cancer. Journal of Proteomics. 2025 Mar 18;316:105433. Western blot ;Human. 40113013
- **[IF=3.265]** Zeng Q et al. Long-term arsenite exposure induces testicular toxicity by redox imbalance, G2/M cell arrest and apoptosis in mice. (2018) Toxicology. (18)30396-2. WB ;Mouse. 30278210