SunLong Biotech Co.,LTD
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**[ Primary Antibody ]**

# Recombinant Rabbit Anti-CDK1 Monoclonal Antibody

**Catalog Number: SLA0749M**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

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|---|---|
| **Host:** | Mouse |
| **Isotype:** | IgG |
| **Clonality:** | Monoclonal |
| **Clone No.:** | 1H10 |
| **SWISS:** | P06493 |
| **Target:** | CDK1 |
| **Immunogen:** | Synthesized peptide derived from human CDC2 expressed in E. Coli. |
| **Purification:** | affinity purified by Protein G |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | WB (1:500-2000)<br>IHC-P (1:100-500)<br>IHC-F (1:100-500)<br>IF (1:100-500)<br>ELISA (1:5000-10000)<br>Not yet tested in other applications.<br>Optimal working dilutions must be determined by the end user. |
| **Reactivity:** | Human,Mouse,Rat,Monkey |
| **Predicted MW.:** | 34 kDa |
| **Background:** | cyclin dependent kinase 1 (CDK1) Homo sapiens 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 |

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

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