SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Cyclin A1 antibody

Catalog Number: SL22318R

FOR RESEARCH USE ONLY

[DATASHEET]

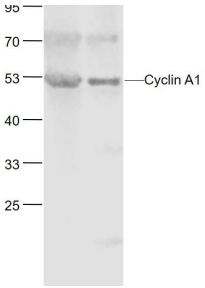
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Cyclin A1
Immunogen:	KLH conjugated synthetic peptide derived from human Cyclin A1 : 391-465/465
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Cow,Rabbit,Sheep)
Predicted MW.:	51kDa
Subcellular Location:	The nucleus
Background:	Cyclin A1 belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. Cyclin A1 is expressed in testis and brain, as well as in several leukemic cell lines, and is thought to primarily function in the control of the germline meiotic cell cycle. It binds both CDK2 and CDC2 kinases, which give two distinct kinase activities, one appearing in S phase, the other in G2, and thus regulate separate functions in cell cycle. Cyclin A1 was found to bind to important cell cycle regulators, such as Rb family proteins, transcription factor E2F-1, and the p21 family proteins. **Function:** Essential for the control of the cell cycle at the G1/S (start) and the G2/M (mitosis) transitions. **Subcellular Location:** Nucleus. Cytoplasm. Cytoplasmic when associated

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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	with SCAPER. **Similarity:** Belongs to the cyclin family. Cyclin AB subfamily. **Database links:** **Entrez Gene:** 8900 Human **Entrez Gene:** 12427 Mouse Omim: 604036 Human **SwissProt:** P78396 Human **SwissProt:** Q61456 Mouse **Unigene:** 417050 Human **Unigene:** 4815 Mouse

[VALIDATION IMAGES]



Sample:
Testis (Mouse) Lysate at 40 ug
Testis (Rat) Lysate at 40 ug
Primary: Anti-Cyclin A1 (SL22318R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 52’54 kD
Observed band size: 52 kD

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