

# Anti-Cyclin A1/A2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

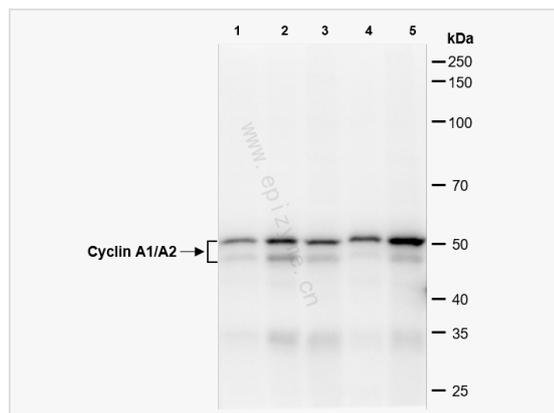
Catalog # R011025

## Product Information

Application	WB, ELISA
Reactivity	Mouse, Rat, Human
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	23M93K84
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human Cyclin A1/A2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Cyclin A1/A2 Rabbit mAb [23M93K84] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	CCN1, CCNA, CCNA1, CCNA2, CT146, Cyclin-A, Cyclin-A1, Cyclin-A2.
Calculated MW	Calculated MW: 49, 52 kDa; Observed MW: 49, 52 kDa
Uniprot ID	P20248, P78396
Gene ID	890, 8900
Background	The protein encoded by this gene 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. The cyclin encoded by this gene was shown to be 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. This cyclin 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. This cyclin was found to bind to important cell cycle regulators, such as Rb family proteins, transcription factor E2F-1, and the p21 family proteins. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Cellular Location	Cytoplasmic and Nuclear



Western Blot - Anti-Cyclin A1/A2 Rabbit mAb [23M93K84]

All lanes: R011025 at 1:1,000 dilution

Lane 1: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 2: U2OS (Human osteosarcoma epithelial cell) whole cell lysates

Lane 3: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: 293T (Human embryonic kidney cell) whole cell lysates

Lane 5: HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates

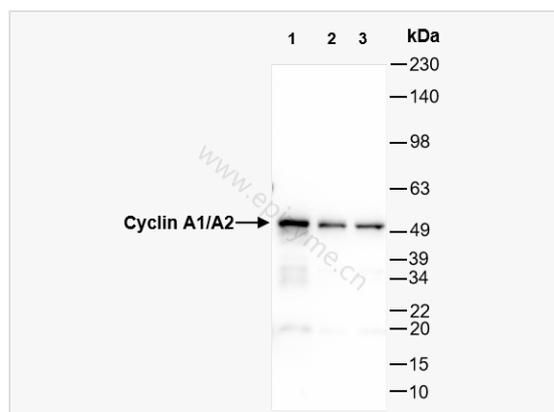
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 52 kDa, 49 kDa

Observed band size: 52 kDa, 49 kDa

Developed using the ECL technique (Cat. No. SQ201).



Western Blot - Anti-Cyclin A1/A2 Rabbit mAb [23M93K84]

All lanes: R011025 at 1:1,000 dilution

Lane 1: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 2: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 3: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 49,52 kDa

Observed band size: 52 kDa

Developed using the ECL technique (Cat. No. SQ201).