

Mouse Cyclin A1 Monoclonal Antibody | anti-CCNA1 antibody

Cyclin A1

CATALOG # AAA215326	HOST Mouse	REACTIVITY Xenopus laevis	APPLICATIONS Western Blot
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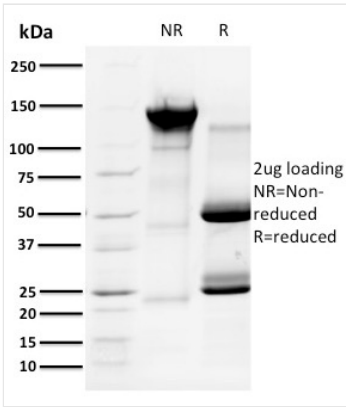
PRODUCT SYNONYMS

Cyclin A1; Monoclonal Antibody; CCN1; CCNA; CCNA2; anti-CCNA1 antibody

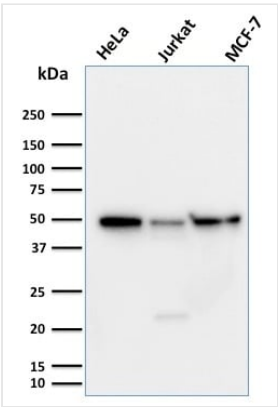
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Xenopus laevis
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	XLA1-3
Specificity	The critical role that the family of regulatory proteins known as cyclins play in eukaryotic cell cycle regulation is well established. The best-characterized cyclin complex is the mitotic cyclin B/Cdc2 p34 kinase, the active component of maturing promoting factor. Cyclin A accumulates prior to cyclin B in the cell cycle, appears to be involved in control of S phase and has been shown to associate with cyclin-dependent kinase-2 (Cdk2). In addition, cyclin A has been implicated in cell transformation and is found in complexes with E1A, transcription factors DRTF1 and E2F, and retinoblastoma protein p110. A second form of cyclin A, named cyclin A1 because of its high sequence homology to Xenopus cyclin A1, is most highly expressed in germ cells. It has been proposed that cyclin A1 can associate with Cdk2, p39 and Cdc2 p34. The antibody detects Xenopus cyclin A in blots. Cyclin A1 is the embryonic cyclin which is present in Xenopus eggs. This MAb only detects Xenopus Cyclin A1.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	418
Applicable Applications for anti-CCNA1 antibody	WB (Western Blot)
Positive Control	Very high levels in testis. Also found in myeloid leukemia cell lines. Xenopus laevis tissue lysate.
Immunogen	Recombinant full-length Xenopus laevis Cyclin A1 protein
Cellular Localization	Nucleus.
Hu-chromosome Location	Chr02 (Xenopus laevis)
Preparation and Storage	Antibody with azide: store at 2 to 8°C. Antibody without azide: store at -20 to -80°C. Antibody is stable for up to 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE
SDS-PAGE Analysis Purified Cyclin A1 Mouse Monoclonal Antibody (XLA1-3). Confirmation of Purity and Integrity of Antibody.



WB (Western Blot)
Western Blot Analysis of (1) HeLa (2) Jurkat and (3) MCF-7 cell lysates using Cyclin A1 Mouse Monoclonal Antibody (XLA1-3).

ADDITIONAL INFORMATION

References	Parida, P.K., et al. 2018. Inhibition of cancer progression by a novel transstilbene derivative through disruption of microtubule dynamics, driving G2/M arrest, and p53-dependent apoptosis. Cell Death Dis. 9: 448.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116172
NCBI GeneID	397885
UniProt Accession #	P18606
Molecular Weight	65kDa
NCBI Official Full Name	Cyclin-A1
NCBI Official Synonym Full Names	cyclin A1 S homeolog
NCBI Official Symbol	ccna1.S
NCBI Official Synonym Symbols	ccna1; Cyclin-A1
NCBI Protein Information	cyclin-A1
UniProt Protein Name	Cyclin-A1
UniProt Gene Name	ccna1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cyclin-a1-antibody-clone-xla1-3-western-blot-elisa/215326>