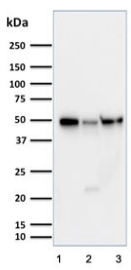
Cyclin A1 Antibody / CCNA1 [clone XLA1-3] (V8293)

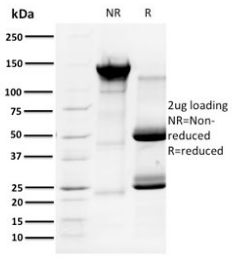
Catalog No.	Formulation	Size
V8293-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8293-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8293SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Xenopus laevis, Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	XLA1-3
Purity	Protein G affinity chromatography
UniProt	P78396
Applications	Western blot: 1-2ug/ml
Limitations	This Cyclin A1 antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) Jurkat and 3) MCF7 cell lysate with Cyclin A1 antibody. Expected molecular weight: 50-55 kDa.



SDS-PAGE analysis of purified, BSA-free Cyclin A1 antibody (clone XLA1-3) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the Cyclin A1 antibody should be determined by the researcher.

Immunogen

Recombinant full-length Xenopus laevis Cyclin A1 protein was used as the immunogen for the Cyclin A1 antibody.

Storage

Store the Cyclin A1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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