

36-3716: Anti-Cyclin A1 Monoclonal Antibody(Clone: XLA1-3)

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| Clonality : | Monoclonal |
| Clone Name : | XLA1-3 |
| Application : | WB |
| Uniprot ID : | P18606 |
| Alternative Name : | CCN1, CCNA, CCNA2, Cyclin A1 |
| Isotype : | Mouse IgG1, kappa |
| Immunogen Information : | Recombinant full-length <i>Xenopus laevis</i> Cyclin A1 protein |

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. This MAb only detects *Xenopus* Cyclin A1.

Product Info

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| Amount : | 20 µg / 100 µg |
| Content : | 200 µg/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. |
| Storage condition : | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. |

Application Note

Western Blot (1-2ug/ml);

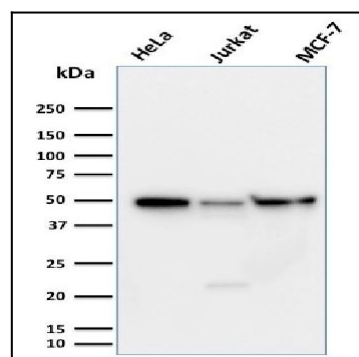


Fig. 1: Western Blot Analysis of (1) HeLa (2) Jurkat and (3) MCF-7 cell lysates using Cyclin A1 Mouse Monoclonal Antibody (XLA1-3).

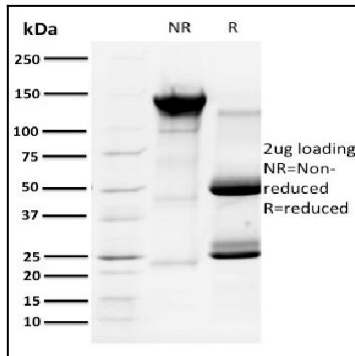


Fig. 2: SDS-PAGE Analysis Purified Cyclin A1 Mouse Monoclonal Antibody (XLA1-3). Confirmation of Purity and Integrity of Antibody.