

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

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

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	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.
<b>Storage condition :</b>	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);

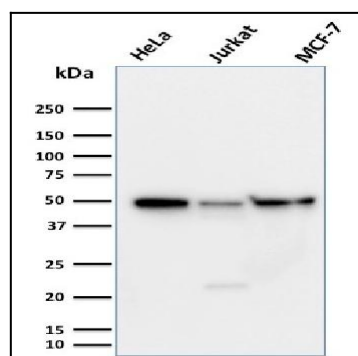


Fig. 1: Western Blot Analysis of (1) HeLa (2) Jurkat and (3) MCF-7 cell lysates using Cyclin A1 Mouse Monoclonal Antibody (XLA1-3).

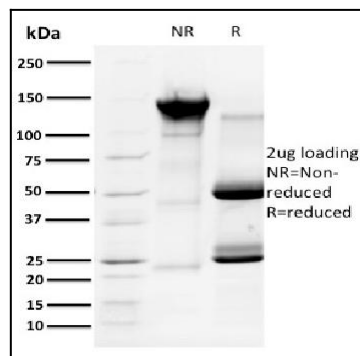


Fig. 2: SDS-PAGE Analysis Purified Cyclin A1 Mouse Monoclonal Antibody (XLA1-3). Confirmation of Purity and Integrity of Antibody.