

## 36-2018: Anti-Cdk2 / p34cdc2 Serine-Threonine Kinase Monoclonal Antibody (Clone: AN4.3)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	AN4.3
<b>Application :</b>	IP,WB,FACS
<b>Reactivity :</b>	Human, Mouse
<b>Gene :</b>	CDK2
<b>Gene ID :</b>	1017
<b>Uniprot ID :</b>	P24941
<b>Alternative Name :</b>	Cdc2 related protein kinase; CDC28; CDC2A; CDK1; CDK2; CDKN2; Cell division kinase 2; Cell division protein kinase 2; cyclin dependent kinase 2 alpha; kinase Cdc2; MPF; p33 protein kinase
<b>Isotype :</b>	Mouse IgG2a, kappa
<b>Immunogen Information :</b>	Recombinant full-length human Cdk2 protein

### Description

In vertebrates, as in yeast, multiple cyclins have been identified, including a total of eight such regulatory proteins in mammals. In contrast to the situation in yeast, the Cdc2 p34 kinase is not the only catalytic subunit identified in vertebrates that can interact with cyclins. While Cdc2 p34 is essential for the G2 to M transition in vertebrate cells, a second Cdc2-related kinase has also been implicated in cell cycle control. This protein, designated cyclindependent kinase 2 (Cdk2), also binds to cyclins and its kinase activity is temporally regulated during the cell cycle. Several additional Cdc2-related cyclin dependent kinases have been identified. These include Cdk3, Cdk4, Cdk5, PCTAIRE-1, PCTAIRE-2, PCTAIRE-3, Cdk6 Cdk7, Cdk8 and KKIALLRE.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200µg/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.

### Application Note

Inhibits activation of p34cdc2 kinase by cyclins; Immunoprecipitation; Kinase Assay; ,Western Blot; Flow cytometry (1-2ug/ml)

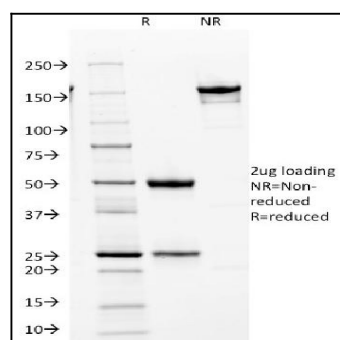


Fig.1: SDS-PAGE Analysis Purified Cdk1 Mouse Monoclonal Antibody (AN4.3). Confirmation of Integrity and Purity of Antibody.