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

Clonality: Monoclonal
Clone Name: AN4.3
Application: IP,WB,FACS
Reactivity: Human, Mouse

 Gene :
 CDK2

 Gene ID :
 1017

 Uniprot ID :
 P24941

Cdc2 related protein kinase; CDC28; CDC2A; CDK1; CDK2; CDKN2; Cell devision kinase 2; Cell

**Alternative Name:** division protein kinase 2; cyclin dependent kinase 2 alpha; kinase Cdc2; MPF; p33 protein

kinase

**Isotype:** Mouse IgG2a, kappa

Immunogen Information: 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 KKIALRE.

## **Product Info**

**Amount:** 20 μg / 100 μg

Content: 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.

**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.

## **Application Note**

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

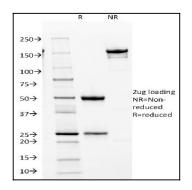


Fig.1: SDS-PAGE Analysis Purified Cdk1 Mouse Monoclonal Antibody (AN4.3). Confirmation of Integrity and Purity of Antibody.