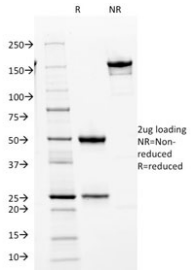
CDK2 Antibody [clone AN4.3] (V7653)

Catalog No.	Formulation	Size
V7653-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7653-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7653SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	AN4.3
Purity	Protein G affinity chromatography
UniProt	P24941
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-2ug/10^6 cells in 0.1ml
Limitations	This CDK2 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free CDK2 antibody (clone AN4.3) as confirmation of integrity and purity.

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.

Application Notes

Optimal dilution of the CDK2 antibody should be determined by the researcher.

Immunogen

Recombinant human CDK2 was used as the immunogen for this CDK2 antibody.

Storage

Store the CDK2 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).