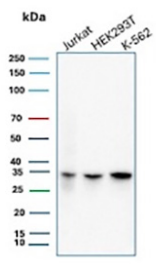
CDK2 Antibody [clone AN21.2] (V7653)

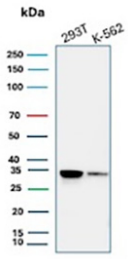
Catalog No.	Formulation	Size
V7653-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7653-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7653SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

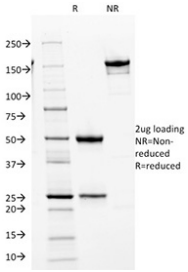
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	AN21.2
Purity	Protein G affinity chromatography
UniProt	P24941
Applications	Western blot: 1-2ug/ml
Limitations	This CDK2 antibody is available for research use only.



Cdk2 Antibody Cell Line WB. Western blot analysis of Cyclin-dependent kinase 2 (Cdk2) expression in cell lysates using Cdk2 antibody clone AN21.2. Lane 1: Jurkat cell lysate, Lane 2: HEK293T cell lysate, Lane 3: K-562 cell lysate. A band is detected at approximately 33â€“34 kDa, consistent with the predicted molecular weight of Cdk2, a key regulator of cell cycle progression. The presence of signal across all three cell lines reflects the ubiquitous expression of Cdk2 in proliferating cells.



Cdk2 Antibody HEK293T and K-562 WB. Western blot analysis of Cyclin-dependent kinase 2 (Cdk2) expression in cell lysates using Cdk2 antibody clone AN21.2. Lane 1: HEK293T cell lysate, Lane 2: K-562 cell lysate. A band is detected at approximately 33â€“34 kDa, consistent with the predicted molecular weight of Cdk2, a key regulator of cell cycle progression. Signal is observed in both cell lines, aligning with the known expression of Cdk2 in proliferating cells.



SDS-PAGE analysis of purified, BSA-free CDK2 antibody (clone AN21.2) 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 cyclin-dependent 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.

This antibody is part of a broader antibody panel offered by NSJ Bioreagents.

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).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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