

Cdk2 / p34cdc2 Serine-Threonine Kinase Antibody

Mouse Monoclonal Antibody [Clone AN4.3]

| Catalog No | Format | Size |
|-----------------|---|--------|
| 1017-MSM2-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 1017-MSM2-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 1017-MSM2-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

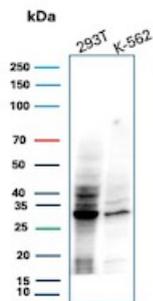
| Applications | Tested Dillution | Note |
|-------------------|------------------|------|
| Western Blot (WB) | 2-4ug/ml | |

Product Details

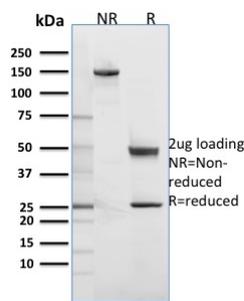
| | |
|-------------------------------|---|
| Clone | AN4.3 |
| Gene Name | CDK2 |
| Immunogen | Recombinant full-length human Cdk2 protein |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG2a / Kappa |
| Mol. Weight of Antigen | 34kDa |
| Cellular Localization | Cajal body, Centrosome, Cytoplasm, Cytoskeleton, Endosome, Microtubule organizing center, Nucleus |
| Species Reactivity | Human |
| Positive Control | Jurkat, HEK293T, K-562 or HeLa cells. |

*Optimal dilution for a specific application should be determined.

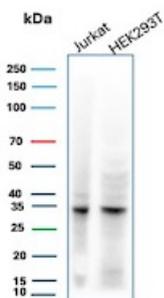
Product Images for Cdk2 / p34cdc2 Serine-Threonine Kinase Antibody



Western blot analysis of 293T and K-562 cell lysates using CDK2 Mouse Monoclonal Antibody (AN4.3).



SDS-PAGE Analysis of Purified CDK2 Mouse Monoclonal Antibody (AN4.3). Confirmation of Purity and Integrity of Antibody.



Western blot analysis of Jurkat and HEK293T cell lysates using CDK2 Mouse Monoclonal Antibody (AN4.3).

Specificity & Comments

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 KKIALLRE.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/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 and Stability

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. No MSDS required.

Research Areas

Cardiovascular, Developmental Biology, Infectious Disease, Lung Cancer, Nuclear Marker, Signal Transduction, Transcription Factors
