Catalog # 1017-MSM1
Product Datasheet

Cdk2 / p34cdc2 Serine-Threonine Kinase Antibody

Mouse Monoclonal Antibody [Clone AN4.3]

Catalog No	Format	Size
1017-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1017-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1017-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

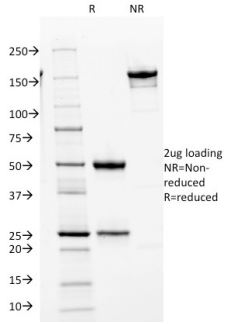
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Western Blot (WB)	2-4ug/ml	

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, Mouse, Xenopus
Positive Control	HeLa cells. HeLa whole cell lysate.

**Optimal dilution for a specific application should be determined.*

Product Images for Cdk2 / p34cdc2 Serine-Threonine Kinase Antibody



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

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 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.

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

Limitations and Warranty

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