

Product datasheet for **DM114P**

CDK1 Mouse Monoclonal Antibody [Clone ID: POH-1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	POH-1
Applications:	IF, IHC, IP, WB
Recommended Dilution:	Western Blot: 1-2 µg/ml. Immunoprecipitation. Immunocytochemistry. Immunohistochemistry on Paraffin Sections: 10 µg/ml. Positive Control: Thymus.
Reactivity:	Human, Bovine
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Bacterially expressed full-length Human Cdk1 protein.
Specificity:	The antibody <i>POH-1</i> specifically detects Cdk1 (p34Cdc2). Staining of Cdk1 reflects the proliferating potential of respective tissue. Negative Species: Mouse, Rat, Xenopus and Drosophila.
Formulation:	PBS, pH~7.4 State: Purified State: Liquid purified IgG fraction Preservative: 15 mM Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cyclin-dependent kinase 1



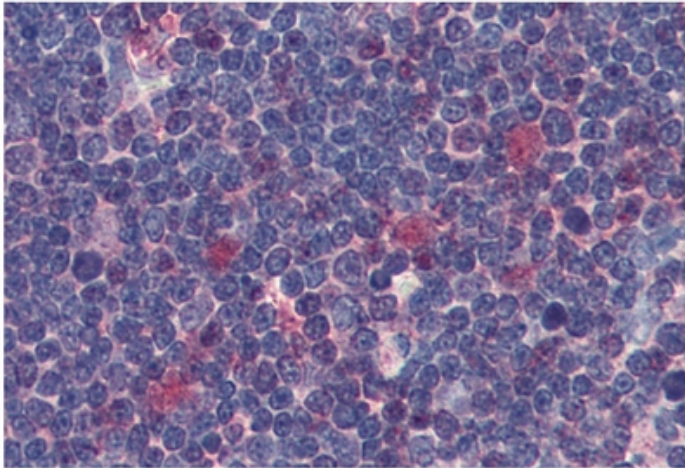
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Database Link: [Entrez Gene 983 Human P06493](#)

Background: The p34^{cdc2} is a 34 kDa phosphoprotein with protein kinase activity that functions in the G2/M phase transition of the cell cycle. Expression of p34^{cdc2} reflects the proliferating potential of positively staining tissue. The maximal activity of p34^{cdc2} is achieved when it is fully dephosphorylated. It is a 34kD catalytic subunit of maturation promoting factor (MPF) and complexes with both cyclin A and cyclin B in mammalian cells.

Synonyms: CDK1, CDC2, CDC28A, CDKN1, P34CDC2, p34 protein kinase

Product images:



Immunohistochemistry staining of Human thymus (paraffin sections) using anti-Cdk1 (clone POH-1).