

Anti-Cdk2 Antibody Picoband™ (monoclonal, 5B12D1)

Clone no. 5B12D1

MONOSAN

Product name	Anti-Cdk2 Antibody Picoband™ (monoclonal, 5B12D1)
Host	Mouse
Applications	FC,IHC,WB
Species reactivity	Human,Mouse,Rat
Conjugate	-
Immunogen	E.coli-derived human Cdk2 recombinant protein (Position: E81-L298). Human Cdk2 shares 98.6% amino acid (aa) sequence identity with rat Cdk2.
Isotype	IgG2a
Clonality	Monoclonal
Clone number	5B12D1
Size	100µg
Concentration	Adding 0.2 ml of distilled water =f 500 µg/ml.
Format	Lyophilized
Storage buffer	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Storage until expiry date	-20°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing. Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml. Background: CDK2, Cyclin-Dependent Kinase2, is also known as P33. The CDK2 protein was highly homologous to p34(CDC2) kinase and more significantly homologous to Xenopus Eg1 kinase, suggesting that CDK2 is the human homolog of Eg1. The CDK2 gene is mapped to 12q13, the same region to which the CDK4 gene maps. Human cyclin A binds independently to 2 kinases, p34(cdc2) or p33. In adenovirus-transformed cells, the viral E1A oncoprotein seems to associate with p33/cyclin A but not with p34(cdc2)/cyclin A. The gene for p33 shares 65% sequence identity with p34(cdc2). P33(cdk2) plays a unique role in cell cycle regulation of vertebrate cells. Subcellular Localization: Tissue Specificity:

References

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