

Basic Information

Product Name	Anti-CDK4 Antibody (Clone#DCS-31)		
Gene Name	CDK4		
Source	Mouse		
Clonality	Monoclonal		
Isotype	IgG2a		
Species Reactivity	human, mouse, rat		
Tested Application	WB, ICC/IF		
Contents	200ug/ml antibody with PBS , 0.02% NaN ₃ , 1mg BSA and 50% glycerol.		
Immunogen	Recombinant human Cdk4 protein.		
Concentration	200ug/ml		
Purification	Ascites		
Observed MW	34 kDa		
Dilution Ratios	Western blot (WB):		1:500-2000
	Immunocytochemistry/Immunofluorescence (ICC/IF):		1:50-400

Storage

12 months from date of receipt, -20°C as supplied.

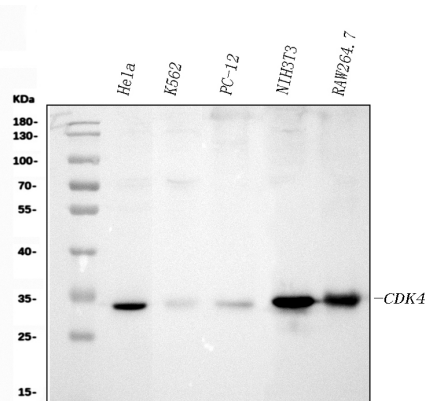
Background Information

Cyclin-dependent kinase-4(CDK4) is a protein-serine kinase involved in the cell cycle. Human cell division is regulated primarily at the G1-to-S or the G2-to-M boundaries within the cell cycle. The complexes formed by CDK4 and the D-type cyclins are involved in the control of cell proliferation during the G1 phase. CDK4 is inhibited by p16, also known as cyclin-dependent kinase inhibitor-2. CDK4 is mapped to 12q14. CDK4 expression and activity are required for cytokine responsiveness in T cells.

Reference

Anti-CDK4 Antibody (Clone#DCS-31)被引用在1文献中。

Selected Validation Data



Western blot analysis of anti- CDK4 Antibody (BM1572). The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: HELA whole cell lysates,

Lane 2: K562 whole cell lysates,

Lane 3: PC-12 whole cell lysates.

Lane 4: NIH/3T3 whole cell lysates,

Lane 5: RAW264.7 whole cell lysates.

Use mouse anti- CDK4 1:1000, probed with a goat anti- mouse IgG- HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1001). A specific band was detected for CDK4 at approximately 34KD. The expected band size for CDK4 is at 34KD.