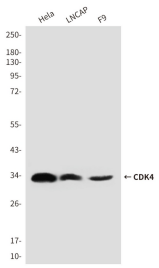
CDK4 (3F9) Mouse mAb

db6087 **Package : 50μL 100μL**

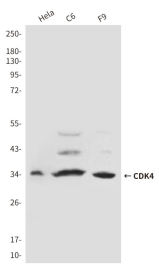
Product Name : CDK4 (3F9) Mouse mAb
Cat.No.: db6087
Synonyms : CMM3; PSK-J3
Application : WB
Reactivity : Human, Mouse, Rat
Host species : Mouse

Background	Ser/Thr-kinase component of cyclin D-CDK4 (DC) complexes that phosphorylate and inhibit members of the retinoblastoma (RB) protein family including RB1 and regulate the cell-cycle during G1/S transition. Phosphorylation of RB1 allows dissociation of the transcription factor E2F from the RB/E2F complexes and the subsequent transcription of E2F target genes which are responsible for the progression through the G1 phase. Hypophosphorylates RB1 in early G1 phase. Cyclin D-CDK4 complexes are major integrators of various mitogenenic and antimitogenic signals. Also phosphorylates SMAD3 in a cell-cycle-dependent manner and represses its transcriptional activity. Component of the ternary complex, cyclin D/CDK4/CDKN1B, required for nuclear translocation and activity of the cyclin D-CDK4 complex.
Immunogen	Purified recombinant human CDK4 protein fragments expressed in E.coli
Gene ID	1019
Swiss Prot	P11802
Synonyms	CMM3; PSK-J3
Reactivity	Human, Mouse, Rat
Application	WB
Recommended dilution	WB: 1:500-1:1000
Calculated MW	34 kDa
Observed MW	34 kDa
Host species	Mouse
Clonality	Monoclonal
Clonality No.	3F9-B12-C8
Isotype	IgG1

Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



Western blot analysis of CDK4 in Hela, Lncap and F9 lysates using CDK4 antibody.



Western blot analysis of CDK4 (3F9) in Hela, C6 and F9 lysates using CDK4 antibody.