

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 mitogenic 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

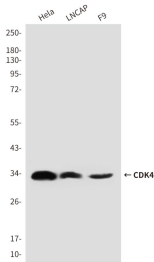
Clonality No.

3F9-B12-C8

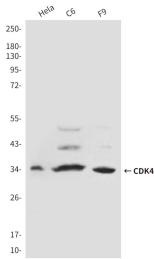
Isotype

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.