

## 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.
	<ul style="list-style-type: none"><li>□ Western blot analysis of CDK4 in Hela, Lncap and F9 lysates using CDK4 antibody.</li><li>□ Western blot analysis of CDK4 (3F9) in Hela, C6 and F9 lysates using CDK4 antibody.</li></ul>