Recombinant DGRmAb®

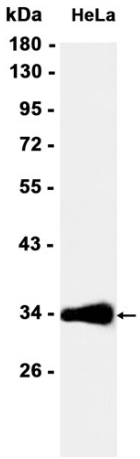
CDK4 (DGR16501) Rabbit mAb (PBS Only)

db14093-PBS **Package : 10μg 100μg**

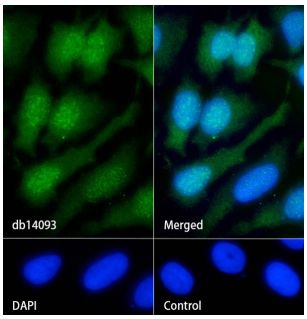
Product Name : CDK4 (DGR16501) Rabbit mAb (PBS Only)
Cat.No.: db14093-PBS
Synonyms : CMM3; PSK-J3
Application : WB, IHC-P, ICC/IF, FC
Reactivity : Human
Host species : Rabbit

Background	The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is highly similar to the gene products of S. cerevisiae cdc28 and S. pombe cdc2. It is a catalytic subunit of the protein kinase complex that is important for cell cycle G1 phase progression. The activity of this kinase is restricted to the G1-S phase, which is controlled by the regulatory subunits D-type cyclins and CDK inhibitor p16(INK4a). This kinase was shown to be responsible for the phosphorylation of retinoblastoma gene product (Rb). Mutations in this gene as well as in its related proteins including D-type cyclins, p16(INK4a) and Rb were all found to be associated with tumorigenesis of a variety of cancers. Multiple polyadenylation sites of this gene have been reported. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human Cdk4
Gene ID	1019
Swiss Prot	P11802
Synonyms	CMM3; PSK-J3
Reactivity	Human
Application	WB, IHC-P, ICC/IF, FC
Calculated MW	34 kDa
Observed MW	34 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR16501
Isotype	IgG

Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from HeLa cells using db14093 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling CDK4 with db14093.

The cells were fixed with cold 100% methanol (10min, 4℃) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db14093 (1:200) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.