Recombinant DGRmAb®

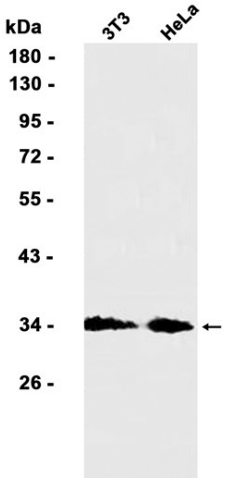
# CDK4 (DGR12793) Rabbit mAb

**db11715** **Package : 10μL 20μL 50μL 100μL**

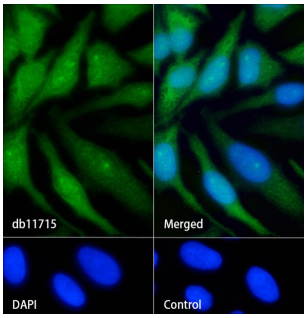
**Product Name :** CDK4 (DGR12793) Rabbit mAb
**Cat.No.:** db11715
**Synonyms :** CMM3; PSK-J3
**Application :** WB, ICC/IF, FC, IP
**Reactivity :** Human,Mouse,Rat
**Host species :** Rabbit

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|---|---|
| **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,Mouse,Rat |
| **Application** | WB, ICC/IF, FC, IP |
| **Recommended dilution** | WB: 1:1000<br>ICC/IF: 1:100<br>FC: 1:200-1:500<br>IP: 1:20-1:50 |
| **Calculated MW** | 34 kDa |
| **Observed MW** | 34 kDa |
| **Host species** | Rabbit |

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|---|---|
| **Clonality** | Monoclonal |
| **Clonality No.** | DGR12793 |
| **Isotype** | IgG |
| **Purity** | Affinity Purification |
| **Conjugation** | Un-conjugated |
| **Storage Stability** | Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt. |




Western blot analysis of extracts from 3T3, HeLa cells using db11715 at 1:1000.




Immunofluorescence analysis of HeLa cells labelling CDK4 with db11715.

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 db11715 (1:100) 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.