Recombinant DGRmAb®

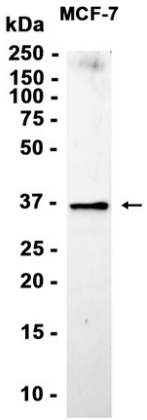
Cyclin D1 (DGR11113) Rabbit mAb

db11659 **Package : 10μL 20μL 50μL 100μL**

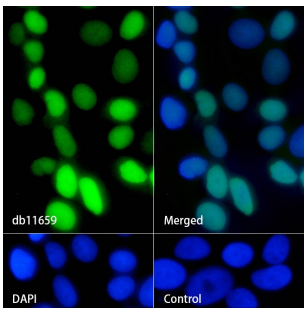
Product Name : Cyclin D1 (DGR11113) Rabbit mAb
Cat.No.: db11659
Synonyms : BCL1; PRAD1; U21B31; D11S287E
Application : WB, IHC-P, ICC/IF, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance throughout the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. This protein has been shown to interact with tumor suppressor protein Rb and the expression of this gene is regulated positively by Rb. Mutations, amplification and overexpression of this gene, which alters cell cycle progression, are observed frequently in a variety of tumors and may contribute to tumorigenesis. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human Cyclin D1
Gene ID	595
Swiss Prot	P24385
Synonyms	BCL1; PRAD1; U21B31; D11S287E
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, IP
Recommended dilution	WB: 1:2000-1:20000 IHC-P: 1:100-1:500 ICC/IF: 1:50 IP: 1:20-1:50
Calculated MW	34 kDa
Observed MW	36 kDa
Host species	Rabbit

Clonality	Monoclonal
Clonality No.	DGR11113
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 MCF-7 cells using db11659 at 1:1000.



Immunofluorescence analysis of MCF-7 cells labelling Cyclin D1 with db11659.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), 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 db11659 (1:50) 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.