Recombinant DGRmAb®

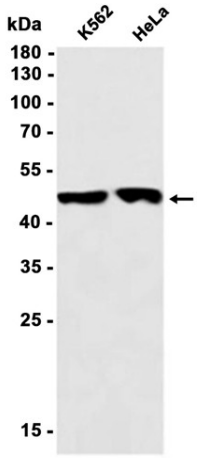
Cyclin E2 (DGR12638) Rabbit mAb

db11105 **Package : 10μL 20μL 50μL 100μL**

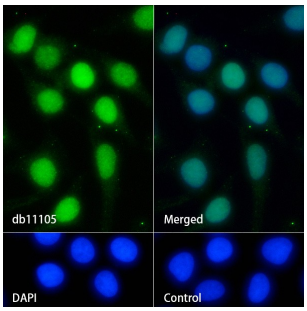
Product Name : Cyclin E2 (DGR12638) Rabbit mAb
Cat.No.: db11105
Synonyms : CYCE2
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human
Host species : Rabbit

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 through 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 CDK2. This cyclin has been shown to specifically interact with CIP/KIP family of CDK inhibitors, and plays a role in cell cycle G1/S transition. The expression of this gene peaks at the G1-S phase and exhibits a pattern of tissue specificity distinct from that of cyclin E1. A significantly increased expression level of this gene was observed in tumor-derived cells. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human Cyclin E2
Gene ID	9134
Swiss Prot	O96020
Synonyms	CYCE2
Reactivity	Human
Application	WB, IHC-P, ICC/IF, FC, IP
Recommended dilution	WB: 1:1000-1:5000 IHC-P: 1:100-1:500 ICC/IF: 1:50-1:200 FC: 1:20 IP: 1:20-1:50
Calculated MW	47 kDa
Observed MW	47 kDa
Host species	Rabbit

Clonality	Monoclonal
Clonality No.	DGR12638
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 K562, HeLa cells using db11105 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling Cyclin E2 with db11105.

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 db11105 (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.