

Recombinant

DGRmAb®

## Cyclin B1 (DGR12283) Rabbit mAb

db13323

Package : 10µL 20µL 50µL 100µL

**Product Name** : Cyclin B1 (DGR12283) Rabbit mAb

**Cat.No.:** db13323

**Synonyms** : CCNB

**Application** : WB, IHC-P, ICC/IF, FC, IP

**Reactivity** : Human

**Host species** : Rabbit

### Background

The protein encoded by this gene is a regulatory protein involved in mitosis. The gene product complexes with p34(cdc2) to form the maturation-promoting factor (MPF). The encoded protein is necessary for proper control of the G2/M transition phase of the cell cycle. [provided by RefSeq, Aug 2017]

### Immunogen

A synthetic peptide of human Cyclin B1

### Gene ID

891

### Swiss Prot

P14635

### Synonyms

CCNB

### Reactivity

Human

### Application

WB, IHC-P, ICC/IF, FC, IP

### Recommended dilution

WB: 1:2000-1:20000

IHC-P: 1:100-1:200

ICC/IF: 1:100

FC: 1:200-1:500

IP: 1:20

### Calculated MW

48 kDa

### Observed MW

55 kDa

### Host species

Rabbit

### Clonality

Monoclonal

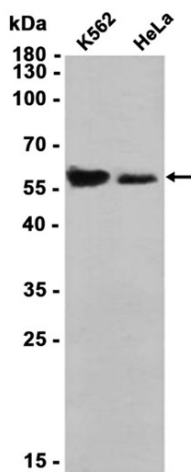
### Clonality No.

DGR12283

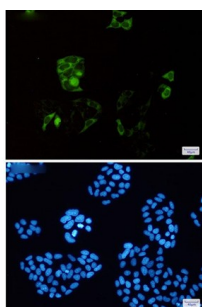
### Isotype

IgG

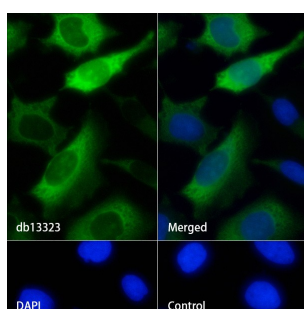
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from K562, HeLa cells using db13323 at 1:1000.



Immunofluorescent analysis of HeLa cells using db13323 antibody (green), and DAPI (blue).



Immunofluorescence analysis of HeLa cells labelling Cyclin B1 with db13323.

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 db13323 (1:100) at room temperature 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.