

Recombinant

DGRmAb®

## PCNA (DGR14426) Rabbit mAb (PBS Only)

db11523-PBS

Package : 10µg 100µg

**Product Name** : PCNA (DGR14426) Rabbit mAb (PBS Only)**Cat.No.:** db11523-PBS**Synonyms** : ATLD2**Application** : WB, IHC-P, ICC/IF, FC, IP**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**Background**

The protein encoded by this gene is found in the nucleus and is a cofactor of DNA polymerase delta. The encoded protein acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. In response to DNA damage, this protein is ubiquitinated and is involved in the RAD6-dependent DNA repair pathway. Two transcript variants encoding the same protein have been found for this gene. Pseudogenes of this gene have been described on chromosome 4 and on the X chromosome. [provided by RefSeq, Jul 2008]

**Immunogen**

A synthetic peptide of human PCNA

**Gene ID**

5111

**Swiss Prot**

P12004

**Synonyms**

ATLD2

**Reactivity**

Human,Mouse,Rat

**Application**

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

**Calculated MW**

29 kDa

**Observed MW**

36 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR14426

**Isotype**

IgG

**Purity**

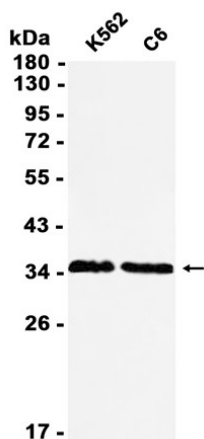
Affinity Purification

**Conjugation**

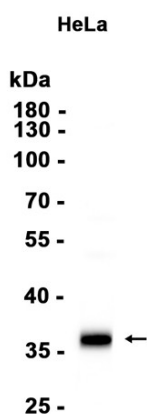
Un-conjugated

<b>Concentration</b>	1 mg/mL
<b>Formulation</b>	PBS Only
<b>Storage Stability</b>	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.

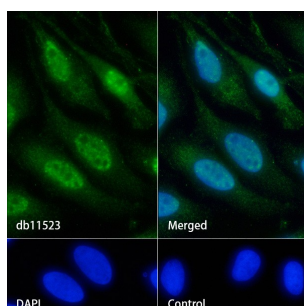
Western blot analysis of extracts from K562, C6 cells using [db11523](#) at 1:1000.



Western blot analysis of extracts from HeLa cells using [db11523](#) at 1:1000.



Immunofluorescence analysis of HeLa cells labelling PCNA with [db11523](#).



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 [db11523](#) (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.