

Recombinant

DGRmAb®

PCNA (DGR14426) Rabbit mAb

db11523

Package : 10µL 20µL 50µL 100µL

Product Name : PCNA (DGR14426) Rabbit mAb**Cat.No.:** db11523**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

Recommended dilution

WB: 1:1000-1:5000

IHC-P: 1:100-1:1000

ICC/IF: 1:100-1:200

FC: 1:20-1:50

IP: 1:20-1:50

Calculated MW

29 kDa

Observed MW

36 kDa

Host species

Rabbit

Clonality

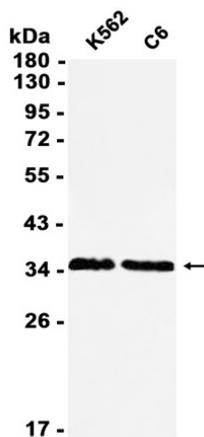
Monoclonal

Clonality No.

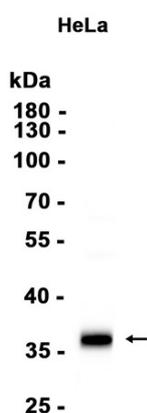
DGR14426

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.

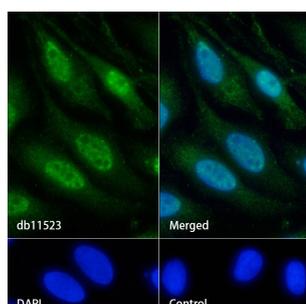
Western blot analysis of extracts from K562, C6 cells using db11523 at 1:1000.



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.

