Recombinant DGRmAb®

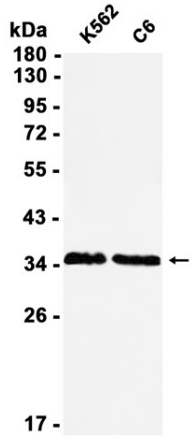
PCNA (DGR14426) Rabbit mAb

db11523 **Package : 10μL 20μL 50μL 100μL**

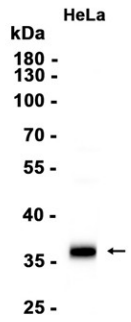
Product Name : PCNA (DGR14426) Rabbit mAb
Cat.No.: db11523
Synonyms : ATLD2
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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

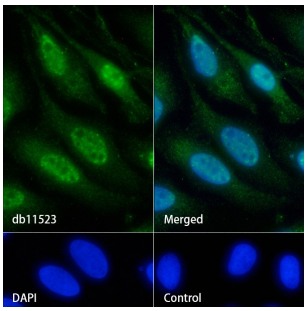
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



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



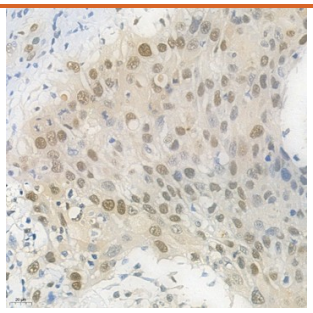
Western blot analysis of extracts from HeLa cells using db11523 at 1:1000.



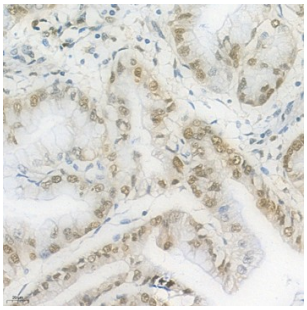
Immunofluorescence analysis of HeLa cells labelling PCNA with db11523.

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 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.

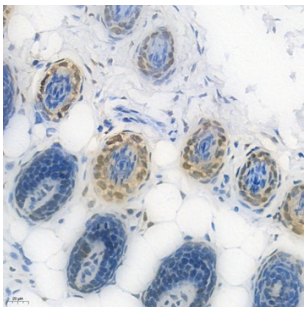
Control: Secondary antibody only.



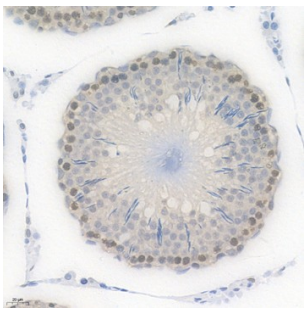
Immunohistochemical analysis of paraffin-embedded human esophageal carcinoma tissue labeling PCNA with db11523. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded human pancreatic carcinoma tissue labeling PCNA with db11523. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse skin tissue labeling PCNA with db11523. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded rat testicular tissue labeling PCNA with db11523. Counter stained with Hematoxylin.