Recombinant DGRmAb®

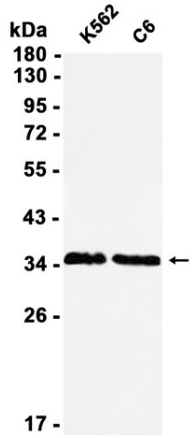
PCNA (DGR14426) Rabbit mAb (PBS Only)

db11523-PBS **Package : 10μg 100μg**

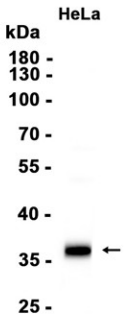
Product Name : PCNA (DGR14426) Rabbit mAb (PBS Only)
Cat.No.: db11523-PBS
Synonyms : ATLD2
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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

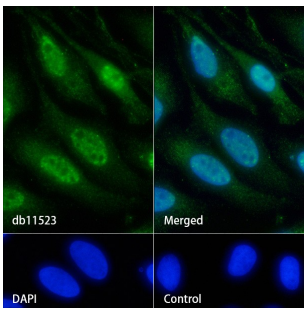
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



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



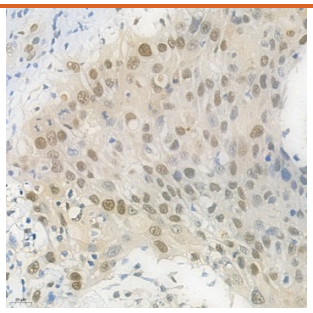
Western blot analysis of extracts from HeLa cells using db11523 at 1:1000.



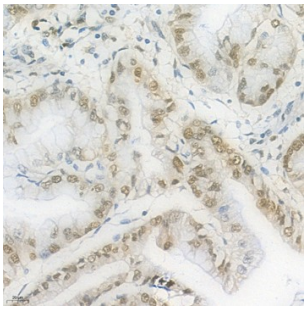
Immunofluorescence analysis of HeLa cells labelling PCNA with db11523.

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.

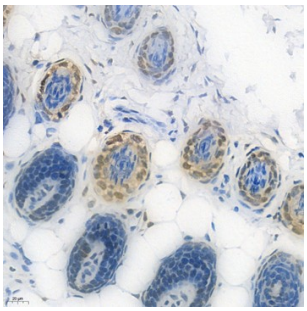
Control: Secondary antibody only.



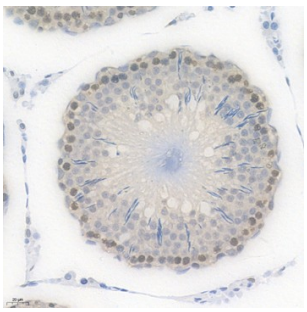
Immunohistochemical analysis of paraffin-embedded human esophageal carcinoma tissue labeling PCNA with db11523. Counter stained with Hematoxylin.



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.