

Rabbit PCNA Polyclonal Antibody | anti-PCNA antibody

PCNA antibody

CATALOG # AAA107499	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry
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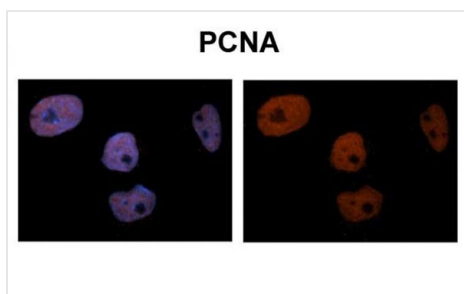
PRODUCT SYNONYMS

PCNA; Polyclonal Antibody; PCNA antibody; Polyclonal PCNA; Anti-PCNA; proliferating cell nuclear antigen; MGC8367; anti-PCNA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Form/Format	Lyophilized powder. Add 100 ul of distilled water. Final antibody concentration is 1 mg/ml in PBS buffer.
Concentration	1 mg/ml (varies by lot)
Sequence Length	261
Applicable Applications for anti-PCNA antibody	WB (Western Blot), IHC (Immunohistochemistry)
Biological Significance	PCNA is an auxiliary protein of DNA polymerase delta and is involved in the control of eukaryotic DNA replication by increasing the polymerase's processibility during elongation of the leading strand. 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.
Cross-Reactivity	Human, Mouse, Rat, Dog, Bovine, African Clawed Frog, Zebrafish
Immunogen	PCNA antibody was raised in rabbit using the C terminal of PCNA as the immunogen
Preparation and Storage	Store at 4 degree C, following reconstitution, aliquot and store at -20 degree C. Avoid repeated freeze-thaw cycles.

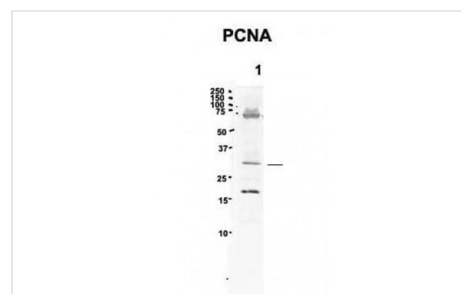
IMAGES



IF (Immunofluorescence)

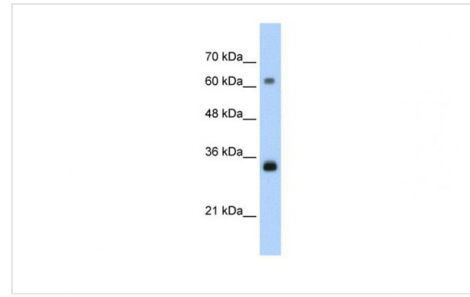
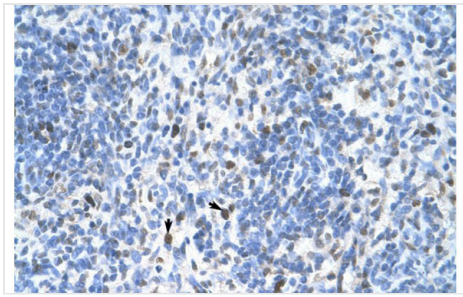
NT2 cells were pretreated with 2N HCL for 30 minutes, washed 3x in PBS and stained for 2 hours with 1ug/50ul antibody. They were incubated in Alexa goat-rabbit 594 for 1 hour.

PCNA: Red; DAPI: Blue



WB (Western Blot)

Sample Type: 1. Human NT-2 cells (60ug) PCNA antibody dilution: 2ug/ml



IHC (Immunohistochemistry)

Paraffin Embedded Tissue: Human Spleen Cellular Data: Spleen cells Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X

WB (Western Blot)

Recommended PCNA Antibody Titration: 1.25ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-PCNA antibody	Rabbit polyclonal PCNA antibody
Product Categories/Family for anti-PCNA antibody	Cell Cycle & Cell Death

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505641
NCBI GeneID	5111
NCBI Accession #	NP_002583
NCBI GenBank Nucleotide #	NM_002592.2
UniProt Accession #	P12004 ; B2R897 ; D3DW02
Molecular Weight	28,769 Da
NCBI Official Full Name	proliferating cell nuclear antigen
NCBI Official Synonym Full Names	proliferating cell nuclear antigen
NCBI Official Symbol	PCNA
NCBI Official Synonym Symbols	ATLD2
NCBI Protein Information	proliferating cell nuclear antigen
UniProt Protein Name	Proliferating cell nuclear antigen
UniProt Gene Name	PCNA
UniProt Synonym Gene Names	PCNA
UniProt Entry Name	PCNA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/pcna-antibody-western-blot-immunohistochemistry-elisa/107499>