

Mouse PCNA Monoclonal Antibody | anti-PCNA antibody

PCNA Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA179739	Mouse	Human, Mouse, Rat	Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

PCNA; Monoclonal Antibody; PCNA Monoclonal Antibody; Proliferating cell nuclear antigen; Cyclin; anti-PCNA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	9C6
Purity/Purification	Protein A/G Purification
Form/Format	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH 7.4
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-PCNA antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Recombinant human PCNA protein expressed by E coli
Preparation and Storage	Store at -20 degree C Valid for 12 months. Avoid freeze/thaw cycles. Protected from prolonged exposure to light.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human ovary cancer using PCNA Monoclonal Antibody at dilution of 1:200.



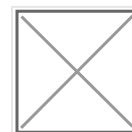
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human lung cancer using PCNA Monoclonal Antibody at dilution of 1:200.



IP (Immunoprecipitation)

Immunoprecipitation analysis of 40ug extracts of THP-1 cell using 4ug PCNA Monoclonal Antibody. Western blot was performed from the immunoprecipitate using PCNA Monoclonal Antibody at a dilution of 1:1000. Lane 1: input, Lane 2: Mouse IgG Isotype Control, Lane 3: anti-PCNA Monoclonal antibody.



WB (Western Blot)

Western blot with Anti PCNA Monoclonal Antibody at dilution of 1:3000. Lane 1: HT-29 cell lysate, Lane 2: Jurkat cell lysate, Lane 3: THP-1 cell lysate, Lane 4: Mouse spleen tissue lysate, Lane 5: Raw264.7 cell lysate, Lane 6: C6 cell lysate, Lane 7: HeLa cell lysate, Lane 8: NIH/3T3 cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-PCNA antibody	Auxiliary protein of DNA polymerase delta and epsilon, is involved in the control of eukaryotic DNA replication by increasing the polymerase's processibility during elongation of the leading strand. Induces a robust stimulatory effect on the 3'-5' exonuclease and 3'-phosphodiesterase, but not apurinic-apyrimidinic (AP) endonuclease, APEX2 activities. Has to be loaded onto DNA in order to be able to stimulate APEX2. Plays a key role in DNA damage response (DDR) by being conveniently positioned at the replication fork to coordinate DNA replication with DNA repair and DNA damage tolerance pathways. Acts as a loading platform to recruit DDR proteins that allow completion of DNA replication after DNA damage and promote postreplication repair: Monoubiquitinated PCNA leads to recruitment of translesion (TLS) polymerases, while 'Lys-63'-linked polyubiquitination of PCNA is involved in error-free pathway and employs recombination mechanisms to synthesize across the lesion.
Product Categories/Family for anti-PCNA antibody	Primary Antibodies; Tags/Controls Antibodies; Cell Biology; Epigenetics and Nuclear Signaling; Tags & Cell Markers; Cancer; Isotype; Loading Controls

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505641
NCBI GeneID	5111
NCBI Accession #	NP_002583.1
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 Protein Information	proliferating cell nuclear antigen; cyclin; DNA polymerase delta auxiliary protein
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/pcna-antibody-clone-9c6-immunohistochemistry-immunoprecipitation-western-blot-elisa/179739>