

Rabbit PCNA Polyclonal Antibody | anti-PCNA antibody

PCNA Antibody

CATALOG # AAA303595	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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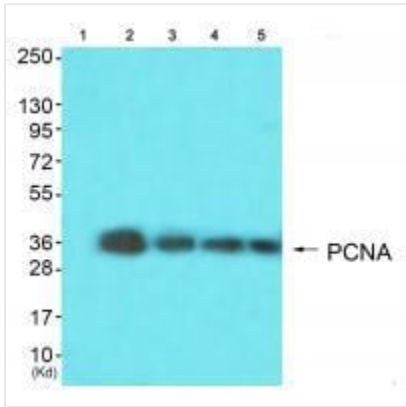
PRODUCT SYNONYMS

PCNA; Polyclonal Antibody; PCNA Antibody; cyclin; proliferating cell nuclear antigen; anti-PCNA antibody

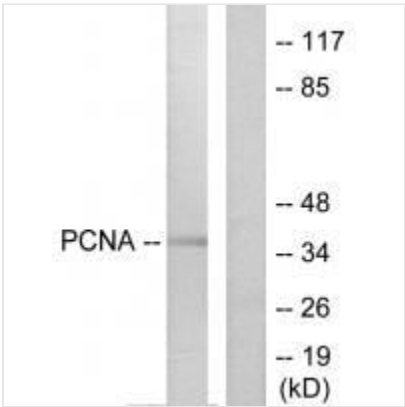
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total PCNA protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	261
Applicable Applications for anti-PCNA antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human PCNA.
Target Name	PCNA
Preparation and Storage	Store at -20 degree C

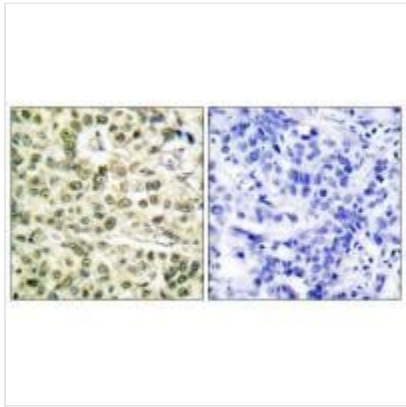
IMAGES



WB (Western Blot)
Western blot analysis of extracts from Hela cells (Lane 2), colo cells (Lane 3), HepG2 cells (Lane 4) and 293 cells (Lane 5) using PCNA antibody. The lane on the left is treated with synthesized peptide.



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells, using PCNA antibody.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using PCNA antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PCNA antibody	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. 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. Anje Sporbert, Nucleic Acids Res., Jun 2005; 33: 3521 - 3528. Sean C. Gehen, Am J Physiol Lung Cell Mol Physiol, Mar 2007; 292: L716 - L724. Basavaraj Bagewadi, J. Virol., Nov 2004; 78: 11890 - 11903. T Iida, I Suetake, Genes Cells, Oct 2002; 7: 997 -
Product Categories/Family for anti-PCNA antibody	Total protein Ab

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 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-immunohistochemistry-western-blot-elisa/303595>