

## Rabbit anti-Human PCNA Polyclonal Antibody | anti-PCNA antibody

PCNA Antibody

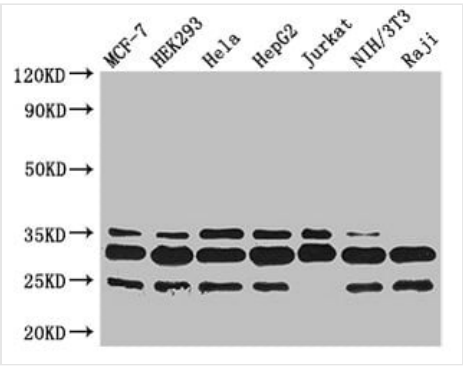
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                  |
|-----------|--------|------------|---------------------------------------------------------------|
| AAA231188 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, Western Blot, ELISA |

### PRODUCT SYNONYMS

PCNA; Polyclonal Antibody; PCNA Antibody; Proliferating cell nuclear antigenPCNA; Cyclin; anti-PCNA antibody

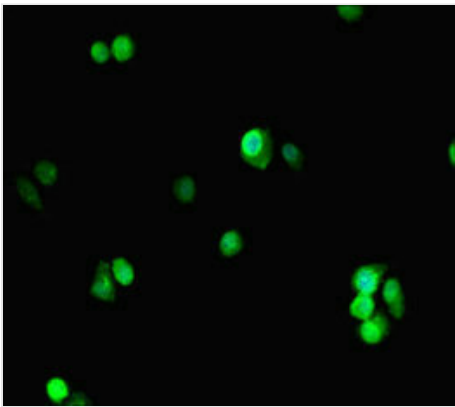
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                         |
| Reactivity                                     | Human                                                                                                          |
| Clonality                                      | Polyclonal                                                                                                     |
| Isotype                                        | IgG                                                                                                            |
| Purity/Purification                            | >95%, Protein G purified                                                                                       |
| Form/Format                                    | Liquid                                                                                                         |
| Sequence Length                                | 261                                                                                                            |
| Applicable Applications for anti-PCNA antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA                                  |
| Species                                        | Human                                                                                                          |
| Immunogen                                      | Recombinant human Proliferating cell nuclear antigen protein (1-261AA)                                         |
| Conjugate                                      | Non-conjugated                                                                                                 |
| Buffer                                         | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, PH 7.4                               |
| Santa Cruz Alternative                         | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-9857 / sc-7907                         |
| Preparation and Storage                        | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze. |



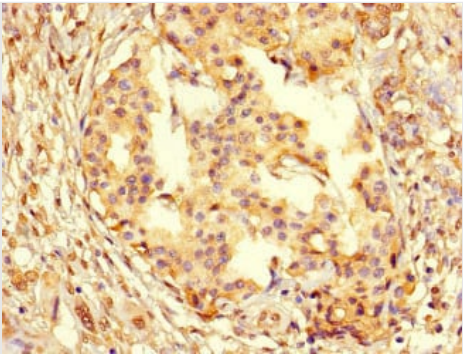
WB (Western Blot)

Western BlotPositive WB detected in:MCF-7 whole cell lysate,HEK293 whole cell lysate,HeLa whole cell lysate,HepG2 whole cell lysate,Jurkat whole cell lysate,NIH/3T3 whole cell lysate,Raji whole cell lysateAll lanes: PCNA antibody at 3.2ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 29 kDaObserved band size: 29,25,35 kDa



IF (Immunofluorescence)

Immunofluorescent analysis of HepG-2 cells using AAA231188 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human pancreatic cancer using AAA231188 at dilution 1:100

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 (PubMed:24939902). 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.

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                | <b>PCNA</b>                        |
| 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-immunofluorescence-immunohistochemistry-western-blot-elisa/231188>