

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

Anti-PCNA Antibody, Rabbit Polyclonal

CATALOG # AAA259401	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

PCNA; Polyclonal Antibody; Anti-PCNA Antibody; Rabbit Polyclonal; PCNA Antibody; Rabbit PAb; Antigen Affinity Purified; proliferating cell nuclear antigen; Anti-ATLD2 Antibody; anti-PCNA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Rat (Species predicted to react based on 100% sequence homology)
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PCNA antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human PCNA
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human PCNA, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES



IP (Immunoprecipitation)

PCNA was immunoprecipitated using: Lane A:0.5 mg HeLa Whole Cell Lysate Lane B:0.5 mg A431 Whole Cell Lysate 4 uL anti-PCNA rabbit polyclonal antibody and 60ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-PCNA rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 29 kDa Observed band size :35 kDa



WB (Western Blot)

Anti-PCNA rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: A431 Whole Cell Lysate Lysates/proteins at 30ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 29 kDa Observed band size: 35 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PCNA antibody	Proliferating Cell Nuclear Antigen (PCNA) is a protein only expressed in normal proliferate cells and cancer cells. It is central to both DNA replication and repair. One of the well-established functions for PCNA is its role as the processivity factor for DNA polymerase delta and epsilon. PCNA tethers the polymerase catalytic unit to the DNA template for rapid and processive DNA synthesis. Two forms of PCNA exist in cells: (i) a detergent-insoluble trimeric form stably associated with the replicating forks during S phase and (ii) a soluble form in quiescent cells in G1 and G2 phases. PCNA forms a toroidal trimer in S phase with replication factor-C (RF-C) and DNA in an ATP-dependent manner and enables the loading of DNA polymerase delta and epsilon onto the complex. The close association of PCNA with kinase complexes involved in cell cycle machinery indicates that PCNA has a regulatory role in cell cycle progression. PCNA also participates in the processing of branched intermediates that arise during the lagging strand DNA synthesis.
References	Balaje. AS. e. al. (2001. Chromatin-boun. PCN. comple. formatio. triggere. b. DN. damag. occur. independen. o. th. AT. gen. produc. i. huma. cells. Nuclei. Acid. Res. 2. (6). 1341-51.Ducou. M. e. al. (2001. Mediatio. o. proliferatin. cel. nuclea. antige. (PCNA)-dependen. DN. replicatio. throug. . conserve. p21(Cip1)-lik. PCNA-bindin. moti. presen. i. th. thir. subuni. o. huma. DN. polymeras. delta. . Bio. Chem. 27. (52). 49258-66.Tetsu. I. e. al. (2002. PCN. clam. facilitate. actio. o. DN. cytosin. methyltransferas. . o. hemimethylate. DNA. Gene. Cells. 7(10). 997-1007.

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://stage.aaabiotech.com/polyclonal/pcna-antibody-immunoprecipitation-western-blot-elisa/259401>