



## **Anti-PCNA (proliferating cell nuclear antigen) Polyclonal Antibody**

**Category:** Polyclonal Antibody

**Catalog#:** AB1F074

**Species Reactivity:** Human, rat

**Immunogen/Specificity:**

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C- residues of human PCNA (proliferating cell nuclear antigen)

**Description:** 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. Pseudo genes of this gene have been described on chromosome 4 and on the X chromosome.

**Reference:**

Kweekel,D.M., et al, Br. J. Cancer 101 (2), 357-362 (2009)  
Niwa,M., et al, Transplantation 87 (9), 1411-1414 (2009)  
Gu,B. and Chen,P.L., Cell Cycle 8 (9), 1409-1420 (2009)  
Michiels,S., et al, Carcinogenesis 30 (5), 763-768 (2009)  
Canova,C., et al, Cancer Res. 69 (7), 2956-2965 (2009)  
Kemeny,M.M., et al, J. Immunother. 12 (4), 219-223 (1992)  
Chen,M., et al, Proc. Natl. Acad. Sci. U.S.A. 89 (7), 2516-2520 (1992)  
Webb,G., et al, Hum. Genet. 86 (1), 84-86 (1990)

**For Research Use Only**

**Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: [Info@antageneinc.com](mailto:Info@antageneinc.com)**