



Anti-PCNA (proliferating cell nuclear antigen) Ubiquitinated Polyclonal Antibody

Category: Polyclonal Antibody

Catalog#: Monoubiquitinated lysine AB1F073(Monoubiquitinated site: K164)

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)

Note: * Antigen containing K164 amino group with the ubiquitin c-terminal 7-mer peptide bound: CLRLRGG-

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. Pseudogenes of this gene have been described on chromosome 4 and on the X chromosome.

Reference:

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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)

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