
Anti-PCNA

Cat #: HM1280
Mouse monoclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

The proliferating cell nuclear antigen (PCNA) is a 36 kDa protein, also known as cyclin or the polymerase delta-associated protein. PCNA is localized in the nucleus and is a cofactor of DNA polymerase delta. It 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. PCNA is synthesized in early G1 and S phases of the cell cycle and serves as an excellent marker for proliferating cells. In early S phase, PCNA exhibits a very granular distribution and is absent from the nucleus, while in late S phase, PCNA is prominent in the nucleoli.

SPECIFICITY

This antibody specifically reacts with PCNA of mouse, rat and human origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

Molecular Weight of PCNA: 36 kDa.
Western blotting positive controls: A431 cells.

IMMUNOGEN

A recombinant protein corresponding to the full length human PCNA.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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