

PCNA monoclonal antibody

Catalog: MB0156	Host: Mouse	Reactivity: Hu- man, Mouse, Rat, Monkey, Hamster
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Background:

The proliferating cell nuclear antigen (PCNA), a protein synthesized in early G1 and S phases of the cell cycle, functions in cell cycle progression, DNA replication and DNA repair. In early S phase, PCNA exhibits granular distribution and is absent from the nucleoli; however, in late S phase, it relocates to the nucleoli. PCNA exists in two basic forms: one involved in ongoing DNA replication, which localizes specifically to the nucleus, and a second, soluble form, not implicated in constant synthesis. Interestingly, the latter form degrades in the presence of organic solvents, rendering it undetectable by histological methods in tissues using organic fixatives, and thus also providing a method of visualizing only the synthesizing form.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

Predicted band size:36KDa

Observed band size:36KDa

Swiss-Prot:

P12004

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:1000

ICC: 1:50~100

IP: 1:50~100

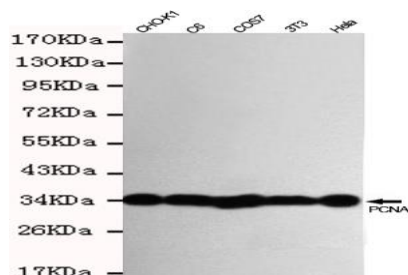
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

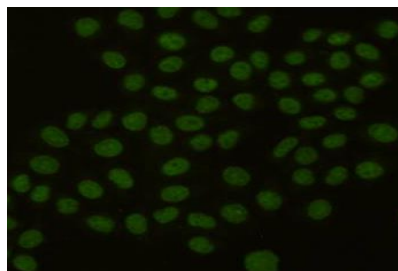
Specificity:

This antibody detects endogenous levels of PCNA and does not cross-react with related proteins

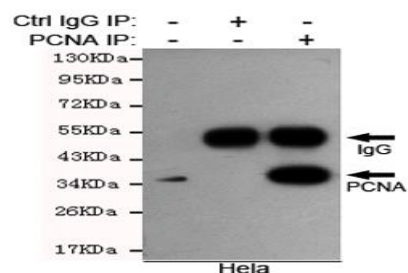
DATA:



Western blot detection of PCNA antibody in HeLa, 3T3, COS7, C6 and CHO-K1 cell lysates using PCNA antibody (1:1000 diluted).



Immunocytochemistry staining of HeLa cells using anti-PCNA antibody (dilution 1:100). Fixed in 100% methanol for 2hr at -20 °C.



Immunoprecipitation analysis of HeLa cell lysates using PCNA antibody.

Note:

For research use only, not for use in diagnostic procedure.

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PRODUCT DATA SHEET

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