

## PCNA Mouse monoclonal antibody

Catalog: MB9012

Host: Mouse

Reactivity: Human, Mouse, Rat

### 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:

Mouse IgG1, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 29, 36 kDa

### Swiss-Prot:

P12004

### Purification&Purity:

Protein A affinity purified

### Applications:

WB: 1:1000-1:2000

IHC: 1:200

FC:1:100

### Storage&Stability:

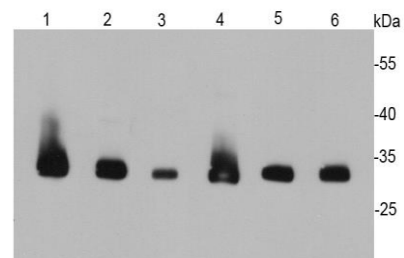
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

This antibody detects endogenous levels of PCNA and

does not cross-react with related proteins.

### DATA:



Western blot (WB) analysis of PCNA Mouse mAb at 1:1000 dilution

Lane1:L929 whole cell lysate

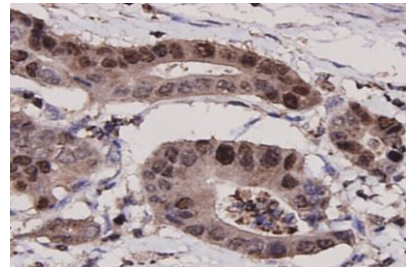
Lane2:MCF7 whole cell lysate

Lane3:PC12 whole cell lysate

Lane4:Raji whole cell lysate

Lane5:F9 whole cell lysate

Lane6:A549 whole cell lysate



Immunohistochemical analysis of paraffin-embedded human stomach carcinoma tissue using anti-PCNA antibody. Counter stained with hematoxylin.

### Note:

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

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