

# PCNA Mouse Monoclonal Antibody

Catalog No: #AB37978



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## Description

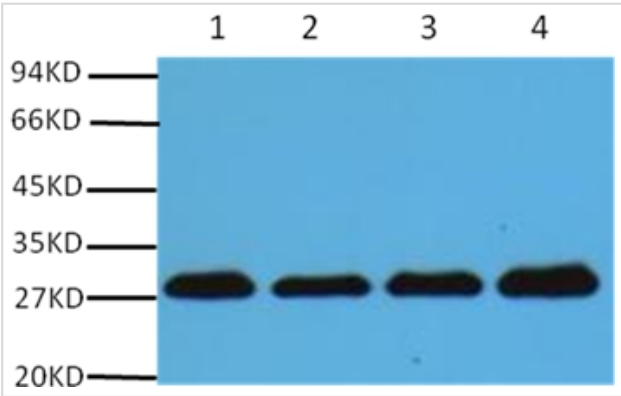
Product Name	PCNA Mouse Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Purification	Affinity purification using immunogen.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	Antibody can detect endogenous?PCNA protein.
Target Name	PCNA
SDS-PAGE MW	36kd
Concentration	1.0mg/ml
Formulation	Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

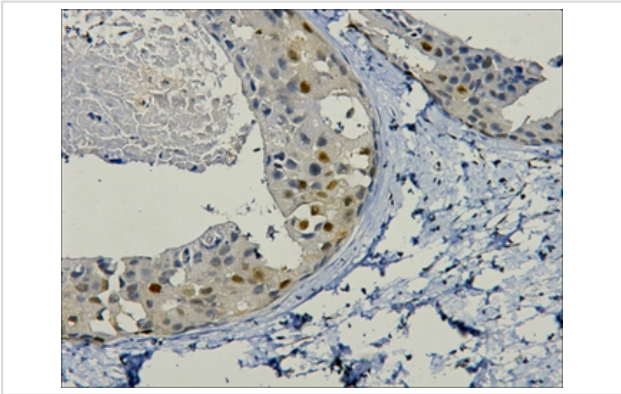
Western blotting: 1:5000

Immunohistochemistry: 1:200

## Images



Western blot analysis of Hela (lane 1), Rat brain (lane 2), NIH 3T3 (lane 3), 293T (lane 4), using #AB37978 diluted at 1:5000.



IHC staining of paraffin- embedded Human breast cancer tissue with PCNA mouse mAb (12D10) diluted at 1:200.

## Background

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PCNA is a marker for cells in early G1 phase and S phase of the cell cycle. It is found in the nucleus and is a cofactor of DNA polymerase delta. PCNA acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. In response to DNA damage, PCNA is ubiquitinated and is involved in the RAD6 dependent DNA repair pathway. Two transcript variants encoding the same protein have been found for PCNA. Pseudogenes of this gene have been described on chromosome 4 and on the X chromosome.

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**Note:** This product is for in vitro research use only and is not intended for use in humans or animals.