

# PCNA Monoclonal Antibody

catalog number: E-AB-22001

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Description

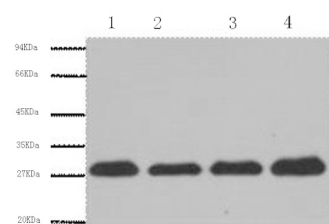
<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Synthetic Peptide
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Clone</b>	1A1
<b>Purification</b>	Protein A purification
<b>Conjugation</b>	Unconjugated
<b>buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

## Applications

## Recommended Dilution

<b>WB</b>	1:5000-1:10000
<b>IHC</b>	1:100-1:300
<b>IF</b>	1:100-1:300

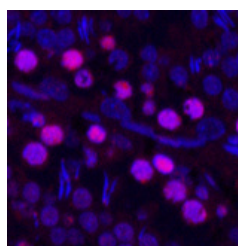
## Data



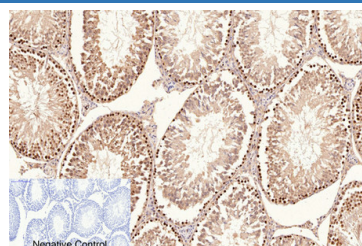
Western Blot analysis of Hela, Rat brain, NIH, 3T3, 293T using Proliferating Cell Nuclear Antigen Monoclonal Antibody at dilution of 1:5000.

**Observed-MV:29 kDa**

**Calculated-MV:29 kDa**



Immunofluorescence analysis of Rat testis tissue using Proliferating Cell Nuclear Antigen Monoclonal Antibody at dilution of 1:200.



Immunohistochemistry of paraffin-embedded Rat testis tissue using Proliferating Cell Nuclear Antigen Monoclonal Antibody at dilution of 1:200.

## Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

## Background

## For Research Use Only

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This protein is an auxiliary protein of DNA polymerase delta and is involved in the control of eukaryotic DNA replication by increasing the polymerase's processibility during elongation of the leading strand. Induces a robust stimulatory effect on the 3'-5' exonuclease and 3'-phosphodiesterase, but not apurinic-apyrimidinic (AP) endonuclease, APEX2 activities. Has to be loaded onto DNA in order to be able to stimulate APEX2.

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A Reliable Research Partner in Life Science and Medicine  
Tel: 400-999-2100

Email: [techsupport@elabscience.cn](mailto:techsupport@elabscience.cn)

Web: [www.elabscience.cn](http://www.elabscience.cn)

Rev. V1.7