

For Research Use Only

# PCNA Monoclonal antibody

Catalog Number: 65034-1-Ig



## Basic Information

<b>Catalog Number:</b> 65034-1-Ig	<b>GenBank Accession Number:</b> BC000491	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , 667 µg/ml	<b>GeneID (NCBI):</b> 5111	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Mouse	<b>Full Name:</b> proliferating cell nuclear antigen	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 29 kDa/31 kDa	
	<b>Observed MW:</b> 36 kDa	

## Applications

<b>Tested Applications:</b> WB,ELISA	<b>Positive Controls:</b> WB : 293 cells,
<b>Species Specificity:</b> human, mouse	

## Background Information

PCNA, also named as Cyclin, belongs to the PCNA family. 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. PCNA induces a robust stimulatory effect on the 3'-5' exonuclease and 3'-phosphodiesterase, but not apurinic-apyrimidinic (AP) endonuclease, APEX2 activities. It has to be loaded onto DNA in order to be able to stimulate APEX2. The PCNA protein has been highly conserved during evolution; the deduced amino acid sequences of rat and human differ by only 4 of 261 amino acids. This antibody is a mouse monoclonal antibody raised against recombinant protein of human PCNA. The calculated molecular weight of PCNA is 29 kDa, but modified PCNA is 36kDa PMID: 1358458 .

## Storage

**Storage:**  
Store at 2-8°C.  
**Storage Buffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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## Selected Validation Data