

For Research Use Only

PCNA Monoclonal antibody

Catalog Number: 65034-1-Ig



Basic Information

Catalog Number: 65034-1-Ig	GenBank Accession Number: BC000491	Purification Method: Antigen affinity purification
Size: 670 µg/ml	GeneID (NCBI): 5111	Recommended Dilutions: WB 1:500-1:2000
Source: Mouse	UNIPROT ID: P12004	
Isotype: IgG	Full Name: proliferating cell nuclear antigen	
	Calculated MW: 29 kDa/31 kDa	
	Observed MW: 36 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : 293 cells,
Species Specificity: 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:

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Selected Validation Data