

**Product Name: Proliferating Cell Nuclear Antigen(PCNA) Mouse Monoclonal Antibody**  
**Catalog #: AMM22084**

For research use only.

## Summary

<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG2b,Kappa
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Purification</b>	The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen.

## Application

<b>Dilution Ratio</b>	IHC 1:200-400;ELISA 1:500-5000
<b>Molecular Weight</b>	Calculated MW:29kDa,Observed MW:35kDa

## Antigen Information

<b>Gene Name</b>	PCNA ATLD2;cb16;Cyclin;DNA polymerase delta auxiliary protein;etID36690.10;fa28e03;fb36g03;HGNC8729;MGC8367;Mutagen-sensitive 209
<b>Alternative Names</b>	protein;OTTHUMP00000030189;OTTHUMP00000030190;PCNA;Pcna/cyclin;PCNA_HUMAN; PCNAR;Polymerase delta accessory protein;Proliferating cell nuclear antigen;wu:fa28e03;wu:fb36g03
<b>Gene ID</b>	Human:5111
<b>SwissProt ID</b>	Human:P12004,Mouse:P17918,Rat:P04961
<b>Immunogen</b>	Synthesized peptide derived from human Proliferating Cell Nuclear Antigen AA range: 1-100

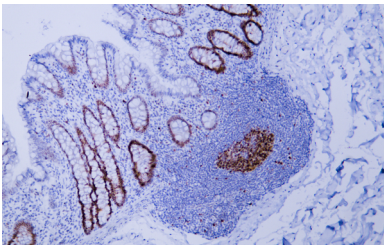
## Background

The protein encoded by this gene is found in the nucleus and is a cofactor of DNA polymerase delta. The encoded protein acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. In response to DNA damage, this protein is ubiquitinated and is involved in the RAD6-dependent DNA repair pathway. Two transcript variants encoding the same protein have been found for this gene. Pseudogenes of this gene have been described on chromosome 4 and on the X chromosome. [provided by RefSeq, Jul 2008],

## Research Area

Pathology

## Image Data



Human colon tissue was stained with Anti-Proliferating Cell Nuclear Antigen Antibody