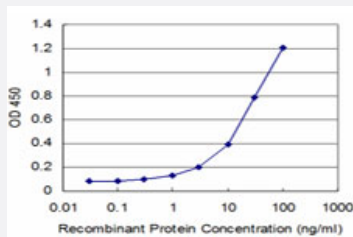


# PCNA monoclonal antibody (M11), clone 3G8

Catalog # H00005111-M11

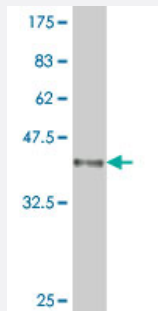
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PCNA is approximately 1ng/ml as a capture antibody.



Western Blot detection against Immunogen (37 KDa) .

## Specification

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Product Description | Mouse monoclonal antibody raised against a full length recombinant PCNA.                                             |
| Immunogen           | PCNA (NP_002583, 78 a.a. ~ 177 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence            | ILKCAGNEDIITLRAEDNADTLALVFEAPNQEKVSDYEMKLMDL DVEQLGIPEQEYSCVVKMPSGE<br>FARICRDL SHIGDAVVISCAKDGVKFSASGELGN           |
| Host                | Mouse                                                                                                                |
| Reactivity          | Human                                                                                                                |
| Isotype             | IgG2a Kappa                                                                                                          |

|                         |                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------|
| Quality Control Testing | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (37 KDa) . |
| Storage Buffer          | In 1x PBS, pH 7.4                                                                                     |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                              |

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PCNA is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — PCNA

Entrez GeneID [5111](#)

GeneBank Accession# [NM\\_002592](#)

Protein Accession# [NP\\_002583](#)

Gene Name PCNA

Gene Alias MGC8367

Gene Description proliferating cell nuclear antigen

Omim ID [176740](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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]

## Other Designations

DNA polymerase delta auxiliary protein|OTTHUMP00000030189|OTTHUMP00000030190|cyclin

## Pathway

- [Base excision repair](#)
- [Cell cycle](#)
- [DNA replication](#)
- [Mismatch repair](#)
- [Nucleotide excision repair](#)

## Disease

- [Adenocarcinoma](#)
- [Ataxia telangiectasia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Graft vs Host Disease](#)
- [Head and Neck Neoplasms](#)
- [Kidney Failure](#)

- [Laryngeal Neoplasms](#)
- [Lung Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mouth Neoplasms](#)
- [Multiple Sclerosis](#)
- [Neuroma](#)
- [Ovarian Neoplasms](#)
- [Papillomavirus Infections](#)
- [Pharyngeal Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Werner syndrome](#)