

PCNA rabbit monoclonal antibody

Catalog # H00005111-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PCNA peptide using ARM Technology.
Immunogen	A synthetic peptide of human PCNA is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PCNA peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — PCNA

Entrez GeneID	5111
GeneBank Accession#	PCNA
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](#)