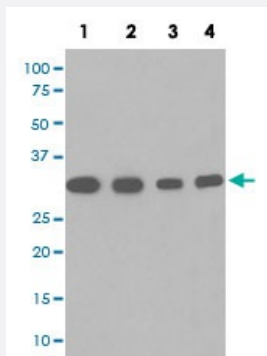


PCNA monoclonal antibody, clone DO-16

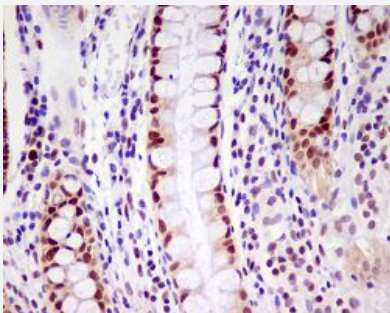
Catalog # MAB20300 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of (1) Hela cell lysate; (2) HepG2 whole cell lysate; (3) U937 whole cell lysate; (4) Mouse spleen lysate with PCNA monoclonal antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded human colon with PCNA monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human PCNA.
Immunogen	A synthetic peptide corresponding to human PCNA.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Affinity purification

Isotype	IgG
Recommend Usage	Flow Cytometry (1:20) Immunocytochemistry (1:100-1:500) Immunofluorescence (1:100-1:500) Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:50) Western Blot (1:3000-1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of (1) Hela cell lysate; (2) HepG2 whole cell lysate; (3) U937 whole cell lysate; (4) Mouse spleen lysate with PCNA monoclonal antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded human colon with PCNA monoclonal antibody.

- Immunocytochemistry

- Immunofluorescence

- Immunoprecipitation

- Flow Cytometry

Gene Info — PCNA

Entrez GeneID [5111](#)

Protein Accession# [P12004](#)

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](#)