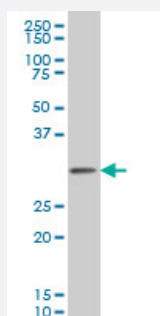


PCNA monoclonal antibody (M04), clone S1

Catalog # H00005111-M04

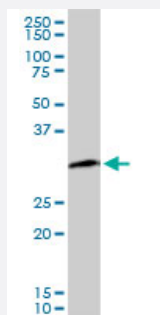
Size 100 ug

Applications



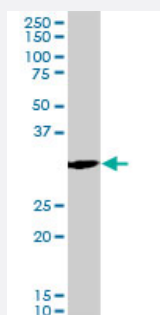
Western Blot (Cell lysate)

PCNA monoclonal antibody (M04), clone S1 Western Blot analysis of PCNA expression in HeLa S3 NE (Cat # L013V3).



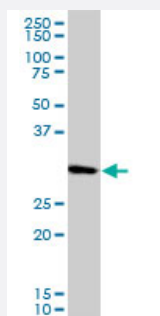
Western Blot (Cell lysate)

PCNA monoclonal antibody (M04), clone S1. Western Blot analysis of PCNA expression in PC-12 (Cat # L012V1).



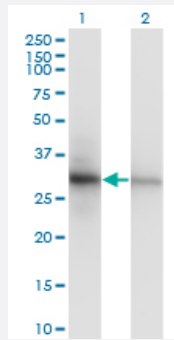
Western Blot (Cell lysate)

PCNA monoclonal antibody (M04), clone S1. Western Blot analysis of PCNA expression in NIH/3T3 (Cat # L018V1).



Western Blot (Cell lysate)

PCNA monoclonal antibody (M04), clone S1. Western Blot analysis of PCNA expression in Raw 264.7 (Cat # L024V1).

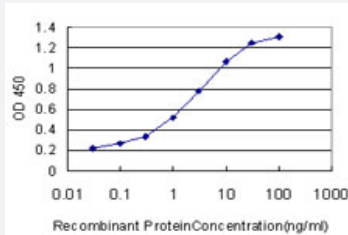


Western Blot (Transfected lysate)

Western Blot analysis of PCNA expression in transfected 293T cell line by PCNA monoclonal antibody (M04), clone S1.

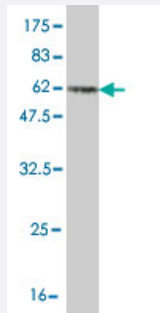
Lane 1: PCNA transfected lysate(28.8 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PCNA is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (54.45 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant PCNA.
Immunogen	PCNA (AAH00491, 1 a.a. ~ 261 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MFEARLVQGSILKKVLEALKDLINEACWDISSSGVNLQSMDSHVSLVQLTLRSEGFDITYRCDRN LAMGVNLTSMKILKCAGNEDIITLRAEDNADTLALVFEAPNQEKVSDYEMKLMDLDVEQLGIPEQ EYSCVVKMPSGEFARICRDLSHIGDAVVISCAKDGVKFSASGELGNGNIKLSQTSNVDKEEEAVTI EMNEPVQLTFALRYLNFFTKATPLSSTVTLSMSADVPLVVEYKIADMGHLKYYLAPKIEDEEGS
Host	Mouse
Reactivity	Human, Mouse, Rat
Isotype	IgG2b Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (54.45 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 (Cell lysate)

PCNA monoclonal antibody (M04), clone S1 Western Blot analysis of PCNA expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Cell lysate)

PCNA monoclonal antibody (M04), clone S1. Western Blot analysis of PCNA expression in PC-12 (Cat # L012V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

PCNA monoclonal antibody (M04), clone S1. Western Blot analysis of PCNA expression in NIH/3T3 (Cat # L018V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

PCNA monoclonal antibody (M04), clone S1. Western Blot analysis of PCNA expression in Raw 264.7 (Cat # L024V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of PCNA expression in transfected 293T cell line by PCNA monoclonal antibody (M04), clone S1.

Lane 1: PCNA transfected lysate(28.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PCNA is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PCNA

Entrez GeneID [5111](#)

GeneBank Accession# [BC000491](#)

Protein Accession# [AAH00491](#)

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

Publication Reference

- [DNA Topoisomerase III Alpha Regulates p53-Mediated Tumor Suppression.](#)

Hsieh MY, Fan JR, Chang HW, Chen HC, Shen TL, Teng SC, Yeh YH, Li TK.

Clinical Cancer Research 2014 Mar; 20(6):1489.

Application: IP, Human, HCT116, RHEK-1, H1299 cells and AGS gastric cancer cells

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](#)