

PCNA Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a full length recombinant PCNA.

Catalog # AT3237a

Specification

PCNA Antibody (monoclonal) (M04) - Product Information

Application	WB, E
Primary Accession	P12004
Other Accession	BC000491
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	28769

PCNA Antibody (monoclonal) (M04) - Additional Information

Gene ID 5111

Other Names

Proliferating cell nuclear antigen, PCNA,
Cyclin, PCNA

Target/Specificity

PCNA (AAH00491, 1 a.a. ~ 261 a.a)
full-length recombinant protein with GST
tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate
buffered saline, pH 7.2 .

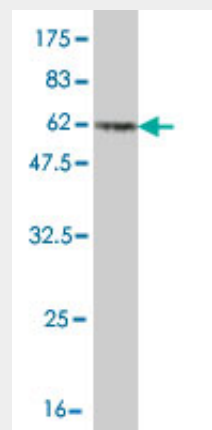
Storage

Store at -20°C or lower. Aliquot to avoid
repeated freezing and thawing.

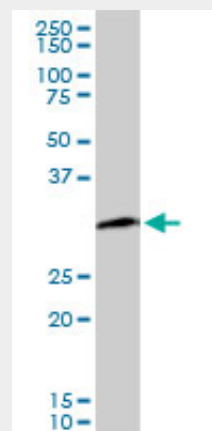
Precautions

PCNA Antibody (monoclonal) (M04) is for
research use only and not for use in
diagnostic or therapeutic procedures.

PCNA Antibody (monoclonal) (M04) - Protocols



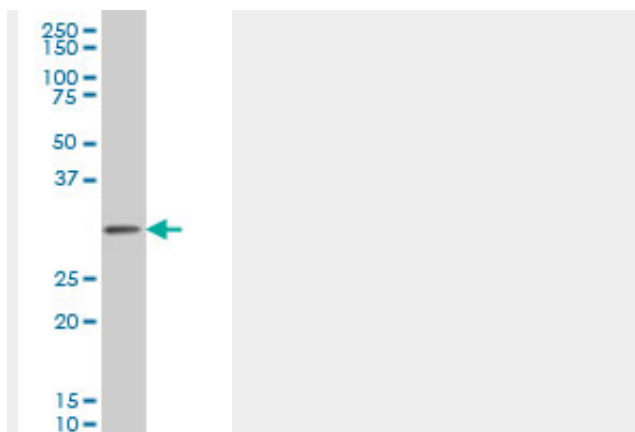
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (54.45 KDa) .



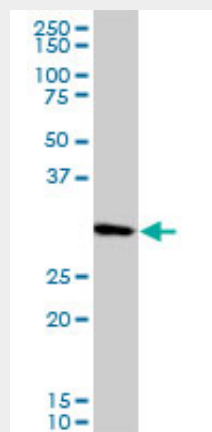
PCNA monoclonal antibody (M04), clone S1.
Western Blot analysis of PCNA expression in
PC-12 ((Cat # AT3237a)

Provided below are standard protocols that you may find useful for product applications.

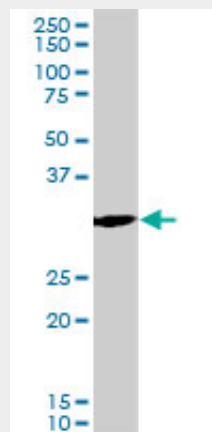
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



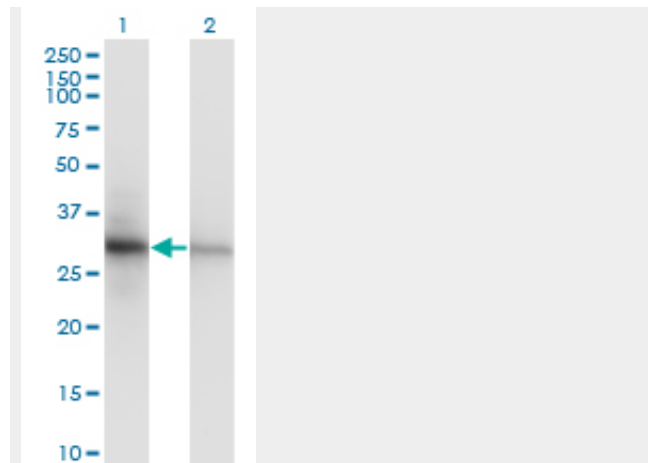
PCNA monoclonal antibody (M04), clone S1
Western Blot analysis of PCNA expression in
HeLa S3 NE ((Cat # AT3237a)



PCNA monoclonal antibody (M04), clone S1.
Western Blot analysis of PCNA expression in
Raw 264.7 ((Cat # AT3237a)

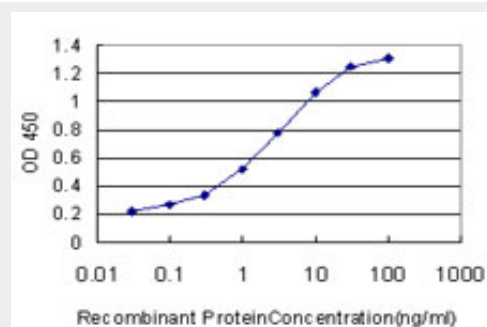


PCNA monoclonal antibody (M04), clone S1.
Western Blot analysis of PCNA expression in
NIH/3T3 ((Cat # AT3237a)



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.



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

PCNA Antibody (monoclonal) (M04) - 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.

PCNA Antibody (monoclonal) (M04) - References

1.DNA Topoisomerase III Alpha Regulates
p53-Mediated Tumor Suppression.Hsieh MY,
Fan JR, Chang HW, Chen HC, Shen TL, Teng SC,
Yeh YH, Li TKClin Cancer Res. 2014 Mar
15;20(6):1489-501. doi:
10.1158/1078-0432.CCR-13-1997. Epub 2014
Feb 13.