

PCNA Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a full length recombinant PCNA.

Catalog # AT3237a

Product Information

Application	WB, E
Primary Accession	P12004
Other Accession	BC000491
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	S1
Calculated MW	28769

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 E~~N/A
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.

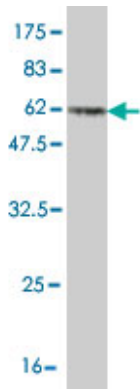
Background

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.

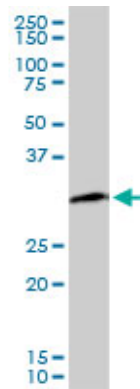
References

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:

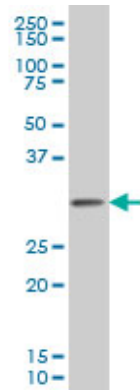
Images



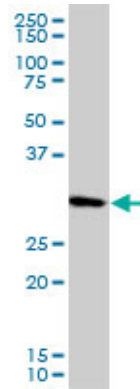
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (54.45 KDa) .



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

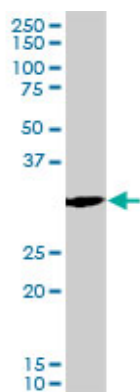


PCNA monoclonal antibody (M04), clone S1 Western Blot analysis of PCNA expression in Hela S3 NE ((Cat # AT3237a)



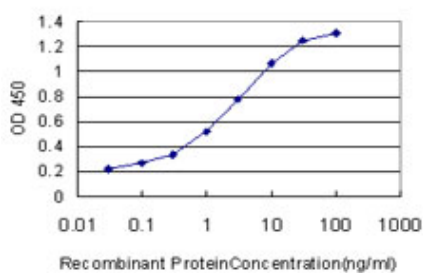
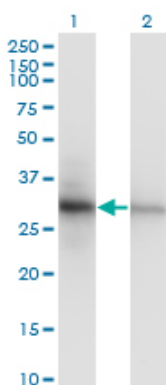
PCNA monoclonal antibody (M04), clone S1. Western Blot analysis of PCNA expression in Raw 264.7 ((Cat # AT3237a)

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.