

# Product Datasheet

## PCNA Antibody (1G7)

### H00005111-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00005111-M02**

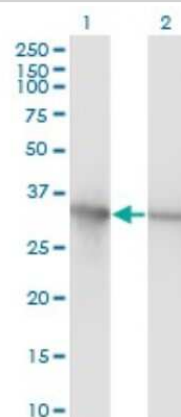
PCNA Antibody (1G7)

Product Information	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	1G7
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
Product Description	
<b>Description</b>	Quality control test: Antibody Reactive Against Recombinant Protein.
<b>Host</b>	Mouse
<b>Gene ID</b>	5111
<b>Gene Symbol</b>	PCNA
<b>Species</b>	Human
<b>Marker</b>	Proliferation Marker
<b>Specificity/Sensitivity</b>	PCNA - proliferating cell nuclear antigen
<b>Immunogen</b>	PCNA (AAH00491, 1 a.a. ~ 261 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MFEARLVQGSILKKVLEALKDLINACWDISSSGVNLQSMDSHVSLSVQLTLRS EGFDYRCDRNLAMGVNLTSMKILKCAGNEDIITLRAEDNADTLALVFEAPNQ EKVSDYEMKLMDLVVEQLGIPEQEYSCVVKMPSGEFARICRDLSHIGDAVVISC AKDGVKFSASGELGNGNIKLSQTSNVDKEEEAVTIEMNEPVQLTFALRYLNFFT KATPLSSTVTLSMSADVPLVVEYKIADMGHLYLAPKIEDEEGS
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Immunoprecipitation, Sandwich ELISA
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500, Sandwich ELISA 1:100-1:2000
<b>Application Notes</b>	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF and ELISA.

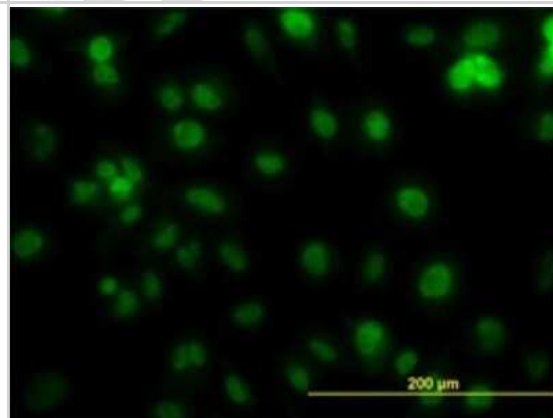


## Images

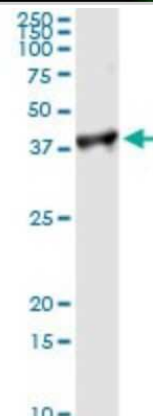
Western Blot: PCNA Antibody (1G7) [H00005111-M02] - Analysis of PCNA expression in transfected 293T cell line by PCNA monoclonal antibody (M02), clone 1G7. Lane 1: PCNA transfected lysate(28.8 KDa). Lane 2: Non-transfected lysate.



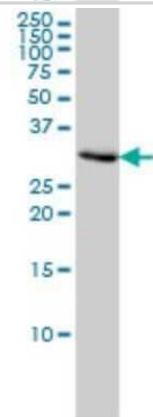
Immunocytochemistry/Immunofluorescence: PCNA Antibody (1G7) [H00005111-M02] - Analysis of monoclonal antibody to PCNA on HeLa cell. Antibody concentration 10 ug/ml.



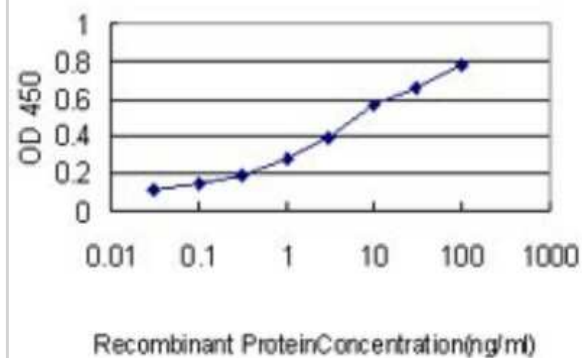
Western Blot: PCNA Antibody (1G7) [H00005111-M02] - Analysis of PCNA transfected lysate using anti-PCNA monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PCNA MaxPab rabbit polyclonal antibody.



Western Blot: PCNA Antibody (1G7) [H00005111-M02] - PCNA monoclonal antibody (M02), clone 1G7 Analysis of PCNA expression in Hela.



Sandwich ELISA: PCNA Antibody (1G7) [H00005111-M02] - Detection limit for recombinant GST tagged PCNA is approximately 0.1ng/ml as a capture antibody.



## Publications

Mason JM, Logan HL, Budke B et al. The RAD51-stimulatory compound RS-1 can exploit the RAD51 overexpression that exists in cancer cells and tumors. *Cancer Res.* 2014-04-21 [PMID: 24753542]



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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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