



## Anti-PCNA (full length) polyclonal antibody (DPAB-DC2123)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	PCNA (AAH00491, 1 a.a. ~ 261 a.a) full-length recombinant protein with GST tag. The sequence is  MFEARLVQGSILKKVLEALKDLINEACWDISSSGVNLQSMDSHVSLVQLTLRSEGFDTY RCDRNLAMGVNLTSMSKILKCAGNEDIITLRAEDNADTLALVFEAPNQEKVSDYEMKLMD LDVEQLGIPEQEYSCVVKMPSGEFARICRDLSHIGDAVVISCAKDGVKFSASGELGNGNI KLSQTSNVDKEEEAVTIEMNEPVQLTFALRYLNFFTAKATPLSSTVLSMSADVPLVVEYK IADMGHLKYYLAPKIEDEEGS
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">PCNA proliferating cell nuclear antigen [ Homo sapiens (human) ]</a>
Official Symbol	PCNA
Synonyms	PCNA; proliferating cell nuclear antigen; cyclin; DNA polymerase delta auxiliary protein;
Entrez Gene ID	<a href="#">5111</a>
Protein Refseq	<a href="#">NP_002583</a>
UniProt ID	<a href="#">P12004</a>
Chromosome Location	20pter-p12
Pathway	BARD1 signaling events; BRCA1-associated genome surveillance complex (BASC); Base excision repair; Cell Cycle
Function	DNA polymerase binding; DNA polymerase processivity factor activity; MutLalpha complex binding; dinucleotide insertion or deletion binding