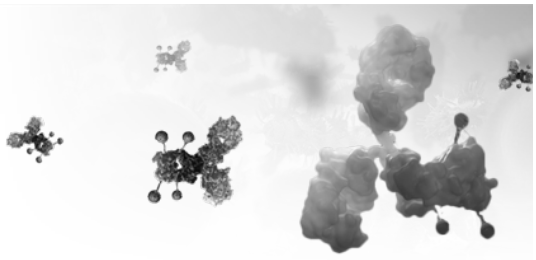

Human PCNA blocking peptide (CDBP2221)

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

PRODUCT INFORMATION

Product Overview	PCNA (C - term) peptide (human)
Antigen Description	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, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	BL
Concentration	0.2 mg/ml
Size	500 µl
Buffer	Preservative: 0.1% Sodium Azide; Constituents: PBS, 100µg/ml BSA
Preservative	0.1% Sodium Azide
Storage	Store this product at 4 °C, do not freeze. The product is stable for one year from the date of shipment.

GENE INFORMATION

Gene Name	PCNA proliferating cell nuclear antigen [Homo sapiens]

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Official Symbol	PCNA
Synonyms	PCNA; proliferating cell nuclear antigen; cyclin; DNA polymerase delta auxiliary protein; MGC8367;
Entrez Gene ID	5111
mRNA Refseq	NM_002592
Protein Refseq	NP_002583
UniProt ID	P12004
Chromosome Location	20pter-p12
Pathway	BARD1 signaling events, organism-specific biosystem; BRCA1-associated genome surveillance complex (BASC), organism-specific biosystem; Base Excision Repair, organism-specific biosystem; Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem;
Function	DNA binding; DNA polymerase processivity factor activity; MutLalpha complex binding; dinucleotide insertion or deletion binding; identical protein binding; protein binding; purine-specific mismatch base pair DNA N-glycosylase activity; receptor tyrosine k

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