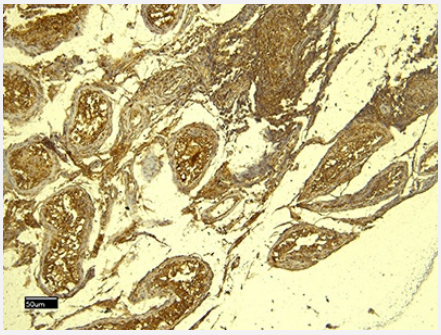
PCNA polyclonal antibody

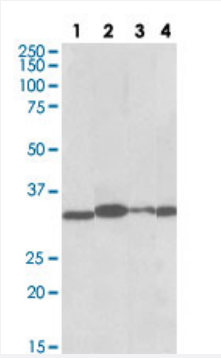
Catalog # PAB27540 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

PCNA polycolnal antibody (Cat # PAB27540) (6 ug/mL) staining of paraffin embedded Human Testis. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



Western Blot (Cell lysate)

PCNA polycolnal antibody (Cat # PAB27540) (0.01ug/ml) staining of HeLa lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of PCNA.
Immunogen	A synthetic peptide corresponding to internal region of human PCNA.
Sequence	NGNIKLSQTSNVD
Host	Goat
Theoretical MW (kDa)	30
Reactivity	Human, Mouse, Pig, Rat

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Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:128000) Immunohistochemistry (5-6 ug/mL) Western Blot (0.01-0.03ug/ml) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — PCNA

Entrez GeneID	5111
Protein Accession#	NP_002583.1
Gene Name	PCNA
Gene Alias	MGC8367
Gene Description	proliferating cell nuclear antigen
Omim ID	176740
Gene Ontology	Hyperlink

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Gene Summary	The protein encoded by this gene is found in the nucleus and is a cofactor of DNA polymerase del ta. The encoded protein acts as a homotrimer and helps increase the processivity of leading stran d 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 sa me protein have been found for this gene. Pseudogenes of this gene have been described on chr omosome 4 and on the X chromosome. [provided by RefSeq
Other Designations	DNA polymerase delta auxiliary protein|OTTHUMP00000030189|OTTHUMP00000030190|cyclin

Pathway

- Base excision repair
- Cell cycle
- DNA replication
- Mismatch repair
- Nucleotide excision repair

Disease

- Adenocarcinoma
- Ataxia telangiectasia
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Colorectal Neoplasms
- Disease Progression
- DNA Damage
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Glioma

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- Graft vs Host Disease
- Head and Neck Neoplasms
- Kidney Failure
- Laryngeal Neoplasms
- Lung Neoplasms
- Meningeal Neoplasms
- Meningioma
- Mouth Neoplasms
- Multiple Sclerosis
- Neuroma
- Ovarian Neoplasms
- Papillomavirus Infections
- Pharyngeal Neoplasms
- Pulmonary Disease
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Werner syndrome

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