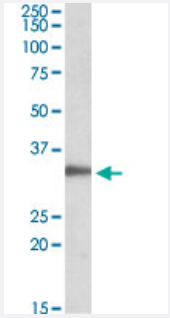
PCNA polyclonal antibody

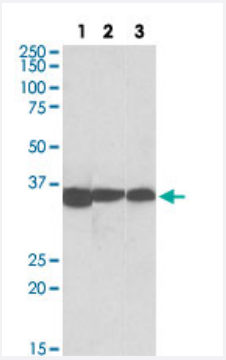
Catalog # PAB27564 Size 100 ug

Applications



Western Blot (Cell lysate)

PCNA polycolnal antibody (Cat # PAB27564) (0.05ug/ml) staining of Jurkat lysate. Primary incubation was 1 hour. Detected by chemiluminescence.



Western Blot

PCNA polycolnal antibody (Cat # PAB27564) (0.05ug/ml) staining of Lane 1: NIH3T3, Lane 2: mouse testis and Lane 3: rat testis (35ug protein in RIPA). 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 amino acids 111-122 at internal region of human PCNA.
Sequence	EAPNQEKVSDYE
Host	Goat
Theoretical MW (kDa)	30
Reactivity	Chicken, Dog, Human, Mouse, Pig, Rat

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Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:128000) Western Blot (0.05-0.2ug/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

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- Western Blot

  PCNA polycolnal antibody (Cat # PAB27564) (0.05ug/ml) staining of Lane 1: NIH3T3, Lane 2: mouse testis and Lane 3: rat testis (35ug protein in RIPA). Primary incubation was 1 hour. Detected by chemiluminescence.

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

Publication Reference

- Proteomic changes associated with maternal dietary low ω6:ω3 ratio in piglets supplemented with seaweed part II: Ileum proteomes.

  Thi Xuan Nguyen, Alessandro Agazzi, Suzanne McGill, Stefan Weidt, Quang Hanh Han, Andrea Gelemanović, Mark McLaughlin, Giovanni Savoini, Peter David Eckersall, Richard Burchmore.

  Journal of Proteomics 2023 Sep; 270:104739.

  Application: WB-Ce, Piglet, Piglet ileum

Pathway

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

Disease

- Adenocarcinoma
- Ataxia telangiectasia
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma

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- Colorectal Neoplasms
- Disease Progression
- DNA Damage
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Glioma
- 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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