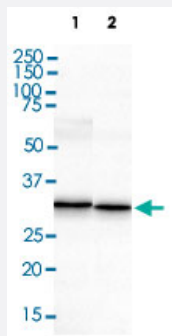


PCNA monoclonal antibody, clone k1A3

Catalog # MAB3206 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane 1: HeLa cell lysate, Lane 2: NIH3T3 cell lysate.

Specification

Product Description Mouse monoclonal antibody raised against partial recombinant PCNA.

Immunogen Recombinant protein corresponding to amino acids 1-261 of human PCNA.

Host Mouse

Reactivity Human

Form Liquid

Purification Protein G purification

Isotype IgG3, kappa

Recommend Usage
ELISA
Western Blot
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).

Storage Instruction Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: HeLa cell lysate, Lane 2: NIH3T3 cell lysate.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PCNA

Entrez GeneID	5111
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Protein Accession#	NP_002583
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Gene Name	PCNA
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Gene Alias	MGC8367
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Gene Description	proliferating cell nuclear antigen
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Omim ID	176740
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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 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]
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Other Designations	DNA polymerase delta auxiliary protein OTTHUMP00000030189 OTTHUMP00000030190 cyclin
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Publication Reference

- [PCNA, the maestro of the replication fork.](#)

Moldovan GL, Pfander B, Jentsch S.

Cell 2007 May; 129(4):665.

- [Molecular cloning of cDNA coding for rat proliferating cell nuclear antigen \(PCNA\)/cyclin.](#)

Matsumoto K, Moriuchi T, Koji T, Nakane PK.

The EMBO Journal 1987 Mar; 6(3):637.

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](#)
- [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](#)