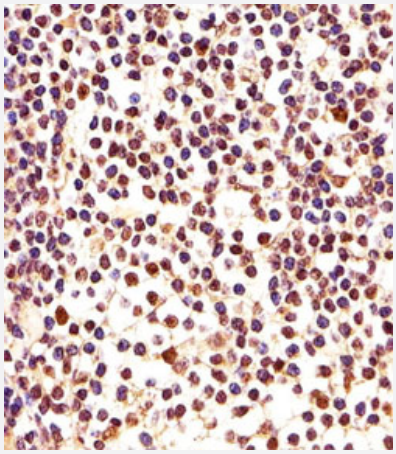
PCNA monoclonal antibody, clone 1157CT1.1.3

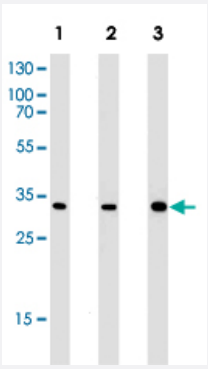
Catalog # MAB12342 Size 400 uL

Applications



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

Immunohistochemical staining of paraffin-embedded human lymph section reacted with PCNA monoclonal antibody (Cat # MAB12342) at 1:25 dilution.



Western Blot (Cell lysate)

Western blot analysis of Lane 1: Hela cell line lysates Lane 2: mouse L929 cell line lysates Lane 3: rat C6 cell line lysates reacted with PCNA monoclonal antibody (Cat # MAB12342) at 1:2000 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human PCNA.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to amino acids 236-261 at C-terminus region of human PCNA.
Host	Mouse
Reactivity	Human, Mouse, Rat

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Form	Liquid
Purification	Protein G purification
Isotype	IgG1
Recommend Usage	Immunohistochemistry (1:25) Western Blot (1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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
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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