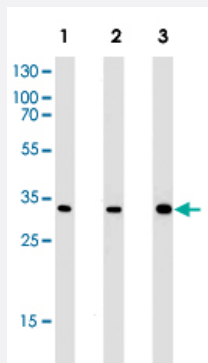


PCNA monoclonal antibody, clone 1157CT1.1.3

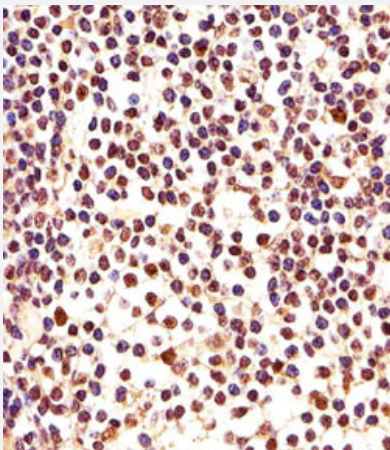
Catalog # MAB12342 Size 400 uL

Applications



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.



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.

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

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 should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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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

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]

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](#)

- [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](#)