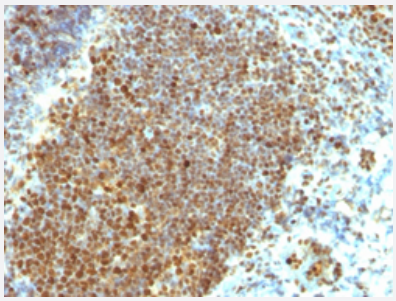
PCNA monoclonal antibody, clone PCNA/694

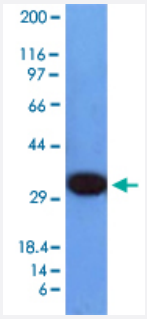
Catalog # MAB13394 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with PCNA monoclonal antibody, clone PCNA/694 (Cat # MAB13394).



Western Blot (Cell lysate)

Western Blot analysis of HepG2 cell lysate with PCNA monoclonal antibody, clone PCNA/694 (Cat # MAB13394).

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human PCNA.
Immunogen	Recombinant protein corresponding to full length human PCNA.
Host	Mouse
Theoretical MW (kDa)	36
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification

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Isotype	IgG2a, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells in 0.1 mL) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.25-0.5 ug/mL) Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.
Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

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

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with PCNA monoclonal antibody, clone PCNA/694 (Cat # MAB13394).

- Immunofluorescence

- Flow Cytometry

- Western Blot (Cell lysate)

  Western Blot analysis of HepG2 cell lysate with PCNA monoclonal antibody, clone PCNA/694 (Cat # MAB13394).

Gene Info — PCNA

Entrez GeneID	5111
Protein Accession#	P12004
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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