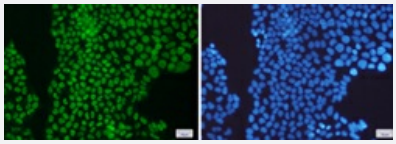
RecomAb™

PCNA recombinant monoclonal antibody, clone R09-6B3

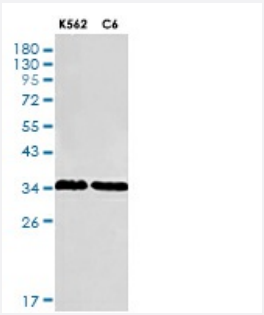
Catalog # RAB01235 Size 100 uL

Applications



Immunocytochemistry

Immunocytochemistry analysis of PCNA(green) in Hela using PCNA antibody,and DAPI(blue).



Western Blot

Western blot analysis of PCNA in K562, C6 lysates using PCNA antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PCNA3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human PCNA.
Theoretical MW (kDa)	Calculated MW: 29 kD
Reactivity	Human
Form	Liquid

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Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence Immunoprecipitation Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	Store at 4°C. For longer storage, aliquot and 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

- Immunofluorescence
- Immunocytochemistry

  Immunocytochemistry analysis of PCNA(green) in Hela using PCNA antibody,and DAPI(blue).
- Immunoprecipitation
- Western Blot

  Western blot analysis of PCNA in K562, C6 lysates using PCNA antibody.

Gene Info — PCNA

Entrez GeneID	5111
Protein Accession#	P12004
Gene Name	PCNA
Gene Alias	MGC8367
Gene Description	proliferating cell nuclear antigen

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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 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

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- 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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