

Mouse PCNA Monoclonal Antibody | anti-PCNA antibody

PCNA antibody (biotin)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA74535	Mouse	Human, Mouse, Insect, Yeast	Western Blot, Immunoprecipitation, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

PCNA; Monoclonal Antibody; PCNA antibody (biotin); Monoclonal PCNA; Anti-PCNA; Prostate Cell Nuclear Antigen; Anti PCNA; anti-PCNA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Insect, Yeast
Clonality	Monoclonal
Isotype	IgG2a kappa
Clone Number	PC10
Specificity	Rat
Purity/Purification	PCNA antibody (biotin) was purified by Protein G chromatography.
Form/Format	Purified from ascites fluid by protein G chromatography and supplied in 10mM PBS, pH 7.4.
Sequence Length	261
Applicable Applications for anti-PCNA antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Biological Significance	Expression of proliferating cell nuclear antigen (PCNA) or cyclin or polymerase delta auxiliary protein is elevated in the nucleus during late G1 phase immediately before the onset of DNA synthesis, becoming maximal during S-phase and declining during G2 and M phases. Its level correlates directly with rates of cellular proliferation and DNA synthesis. PCNA/cyclin may act as an auxiliary protein of DNA polymerase-delta to play a fundamental role in the initiation of cell proliferation.
Cross-Reactivity	Human, mouse, insect, yeast
Biohazard Information	This product contains sodium azide as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.
Tag/Conjugate	Biotin
Immunogen	PCNA antibody (biotin) was raised in mouse using recombinant rat proliferating cell nuclear antigen protein as the immunogen.
Preparation and Storage	Store at 4 degree C.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed, paraffin-embedded rat breast cancer stained with PCNA antibody using peroxidase-conjugate and AEC chromogen. Note nuclear staining of tumor cells.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human small intestine stained with PCNA antibody using peroxidase-conjugate and DAB chromogen. Note nuclear staining of proliferating cell

ADDITIONAL INFORMATION

Related Product Information for anti-PCNA antibody	Mouse monoclonal PCNA antibody (biotin)
Product Categories/Family for anti-PCNA antibody	Cell Cycle & Cell Death; Conjugated Monoclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	49456555
NCBI GeneID	5111
UniProt Accession #	Q6FHF5; P12004
Molecular Weight	36 kDa (predicted detection band MW)
NCBI Official Full Name	PCNA, partial
NCBI Official Synonym Full Names	proliferating cell nuclear antigen
NCBI Official Symbol	PCNA
NCBI Official Synonym Symbols	ATLD2
NCBI Protein Information	proliferating cell nuclear antigen
UniProt Protein Name	Proliferating cell nuclear antigen
UniProt Gene Name	PCNA
UniProt Entry Name	Q6FHF5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.