

Mouse PCNA Monoclonal Antibody | anti-PCNA antibody

Anti-PCNA Mouse Monoclonal Antibody (1D7)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31541	Mouse	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

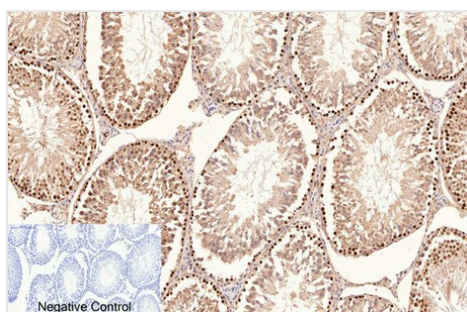
PRODUCT SYNONYMS

PCNA; Monoclonal Antibody; Anti-PCNA Mouse Monoclonal Antibody (1D7); Proliferating cell nuclear antigen; Cyclin; anti-PCNA antibody

PRODUCT SPECIFICATIONS

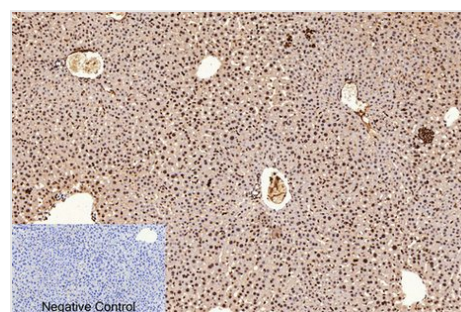
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Mouse IgG1
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen
Form/Format	Liquid in PBS, pH7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.
Applicable Applications for anti-PCNA antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:5000 IHC-P: 1:200 IF: 1:200
Tag	PCNA
Observed Band (KD)	29
Immunogen	Synthetic Peptide
Preparation and Storage	Stable for one year at -20 degree C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Shipping Gel pack with blue ice.

IMAGES



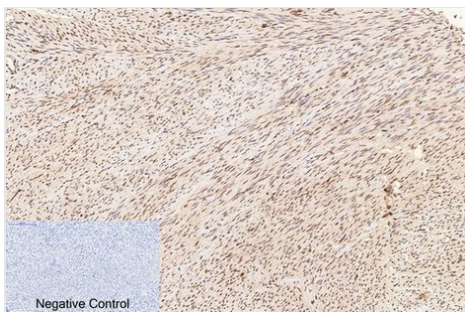
IHC (Immunohistochemistry)

Fig.6. Immunohistochemical analysis of paraffin-embedded rat testis tissue. 1, PCNA Monoclonal Antibody (1D7) was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20min). 3, secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.



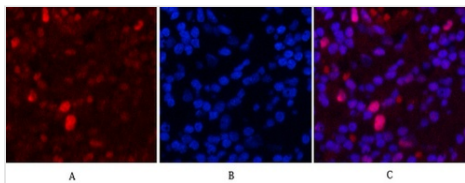
IHC (Immunohistochemistry)

Fig.5. Immunohistochemical analysis of paraffin-embedded mouse liver tissue. 1, PCNA Monoclonal Antibody (1D7) was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20min). 3, secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.



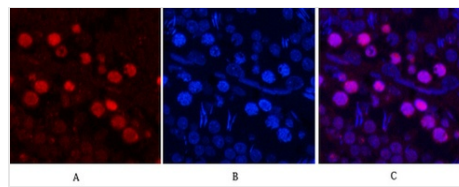
IHC (Immunohistochemistry)

Fig.4. Immunohistochemical analysis of paraffin-embedded human uterus tissue. 1, PCNA Monoclonal Antibody (1D7) was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20min). 3, secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.



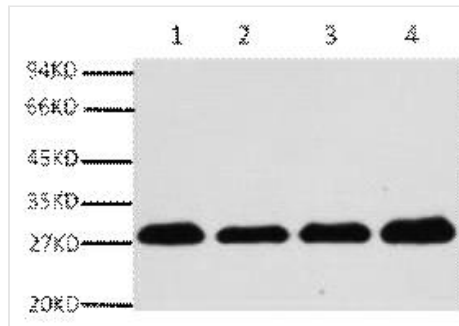
IF (Immunofluorescence)

Fig.2. Immunofluorescence analysis of human lung cancer tissue. 1, PCNA Monoclonal Antibody (1D7) (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



IF (Immunofluorescence)

Fig.3. Immunofluorescence analysis of rat testis tissue. 1, PCNA Monoclonal Antibody (1D7) (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



WB (Western Blot)

Fig.1. Western blot analysis of Hela (1), rat brain (2), NIH 3T3(3), 293T(4), diluted at 1:5000.

ADDITIONAL INFORMATION

Related Product Information for anti-PCNA antibody	Description: Featured Anti-PCNA Mouse Monoclonal Antibody (1D7), specially designed for your immunoassay as internal control. Background: Proliferating Cell Nuclear Antigen, commonly known as PCNA, is a protein that acts as a processivity factor for DNA polymerase in eukaryotic cells. It achieves this processivity by encircling the DNA, thus creating a topological link to the genome. PCNA was originally identified as an antigen that is expressed in the nuclei of cells during the DNA synthesis phase of the cell cycle.
Product Categories/Family for anti-PCNA antibody	Loading Antibody; Protein Detection Antibody; Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505641
NCBI GeneID	5111
NCBI Accession #	NP_002583.1
NCBI GenBank Nucleotide #	NM_002592.2
UniProt Accession #	P12004; B2R897; D3DW02
Molecular Weight	28,769 Da
NCBI Official Full Name	proliferating cell nuclear antigen
NCBI Official Synonym Full Names	proliferating cell nuclear antigen
NCBI Official Symbol	PCNA
NCBI Protein Information	proliferating cell nuclear antigen; cyclin; DNA polymerase delta auxiliary protein
UniProt Protein Name	Proliferating cell nuclear antigen

UniProt Gene Name	PCNA
UniProt Synonym Gene Names	PCNA
UniProt Entry Name	PCNA_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pcna-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/31541>