

Mouse PCNA (Proliferating Cell Nuclear Antigen) Monoclonal Antibody | anti-PCNA antibody

PCNA (Proliferating Cell Nuclear Antigen) (G1- & S-phase Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62806	Mouse	Human.Shows broad species reactivity	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

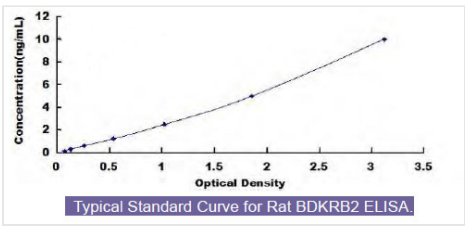
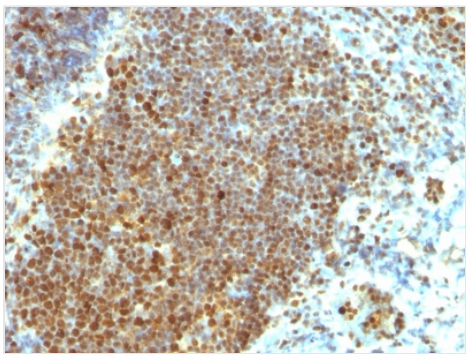
PRODUCT SYNONYMS

PCNA (Proliferating Cell Nuclear Antigen); Monoclonal Antibody; PCNA (Proliferating Cell Nuclear Antigen) (G1- & S-phase Marker) Mouse Monoclonal Antibody; Cyclin; DNA polymerase delta auxiliary protein; Mutagen-sensitive 209 protein; PCNAR; Polymerase delta accessory protein; anti-PCNA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Shows broad species reactivity
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	PCNA/694
Specificity	Recognizes a non-histone protein of 36kDa, which is identified as proliferating cell nuclear antigen (PCNA). It is also known as cyclin or polymerase delta auxiliary protein. Elevated expression of PCNA/cyclin has been shown 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. This MAb is excellent for multiple applications.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	261
Applicable Applications for anti-PCNA antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Predominantly nuclear, some cytoplasmic
Immunogen	Recombinant full length human PCNA protein
Hu-Chromosome Location	20p12.3
Positive Control	Tonsil or reactive lymph node
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



WB (Western Blot)
Western Blot Analysis of HepG2 Cell Lysate using PCNA Monoclonal Antibody (PCNA/694)

IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with PCNA Monoclonal Antibody (PCNA/694)

ADDITIONAL INFORMATION

References	Waseem NH & Lane DP. 1990. J Cell Sci. 96:121-9. Hall PA et al. 1990. J. Pathol. 162(4):285-94
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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	36kDa
NCBI Official Full Name	proliferating cell nuclear antigen
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 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-proliferating-cell-nuclear-antigen-antibody-clone-pcna-694-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/62806>