

Mouse PCNA Monoclonal Antibody | anti-PCNA antibody

MOUSE ANTI PCNA

CATALOG #	HOST	APPLICATIONS
AAA49272	Mouse	Western Blot, Immunoprecipitation, Flow Cytometry, Functional Assay, Immunohistochemistry, Immunohistochemistry

PRODUCT SYNONYMS

PCNA; Monoclonal Antibody; MOUSE ANTI PCNA; Proliferating Cell Nuclear Antigen; anti-PCNA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	PC10
Specificity	PCNA
Form/Format	Liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	261
Applicable Applications for anti-PCNA antibody	WB (Western Blot), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Perservative Stabilisers	0.09% Sodium Azide
Species Cross-Reactivity	Ferret, Chicken, Rabbit, Xenopus, Mouse, Horse, Sheep, Dog, Cat, Cynomolgus monkey, Rhesus Monkey, Hamster, Atlantic Salmon, Human, Bearded Dragon, Corn Snake, Nile Crocodile Based on sequence similarity, is expected to react with : Vertebrates, Invertebrates N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories , peer-reviewed publicationsor personal communications from the originators.
RRID	AB_324955
Histology Positive Control Tissue	Tonsil
Buffer Solution	Phosphate buffered saline
Target Species	Rat
Carrier free	Yes
Immunogen	Rat PCNA made in the protein A expression vector pR1T2T
Preparation and Storage	It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

IMAGES



Application Data

Western blot analysis of K562 erythroleukemic cell line whole cell lysate probed with Mouse anti Human PCNA antibody followed by HRP conjugated Goat anti Mouse IgG secondary antibody, visualized using chemiluminescence



Application Data

Staining of KM-H2 cells with Mouse anti PCNA:FITC permeabilised with Leucoperm and methanol



Application Data

Western blot analysis of HeLa Nuclear Extract probed with Mouse anti Human PCNA

ADDITIONAL INFORMATION

Related Product Information for anti-PCNA antibody

Mouse anti PCNA antibody, clone PC10 recognises the proliferating cell nuclear antigen, also known as PCNA or cyclin, PCNA is a 261 amino acid ~28kDa nuclear protein vital for cellular DNA synthesis at the replication fork (Li et al. 1995) through it's interaction with FEN1 (Wu et al. 1996). PCNA is the auxilliary protein for DNA polymerase delta (Bravo et al. 1987). PCNA is highly conserved between mammalian species and other vertebrates. Mouse anti Human PCNA, clone PC10 has been used for the detection of PCNA in a number of species including rat (Elsässer et al. 1994), mouse (Park et al. 2008), chicken (Franz-Odenaal 2008) and abalone (Harris et al. 2006).

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
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; DNA polymerase delta auxiliary protein; cyclin
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.