

Mouse anti-Human, Mouse PCNA Monoclonal Antibody | anti-PCNA antibody

PCNA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290425	Mouse	Human, Mouse	Immunohistochemistry, Immunoprecipitation, Immunocytochemistry, Western Blot

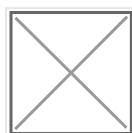
PRODUCT SYNONYMS

PCNA; Monoclonal Antibody; PCNA Antibody; Purified Mouse Monoclonal Antibody (Mab); Cyclin; DNA polymerase delta auxiliary protein; HGCN8729; MGC8367; Mutagen-sensitive 209 protein; OTTHUMP00000030189; OTTHUMP00000030190; Pcn/cyclin; PCNA_HUMAN; PCNAR; Polymerase delta accessory protein; Proliferating Cell Nuclear Antigen.; anti-PCNA antibody

PRODUCT SPECIFICATIONS

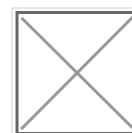
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Form/Format	Purified mouse monoclonal in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Sequence Length	261
Applicable Applications for anti-PCNA antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), ICC (Immunocytochemistry), WB (Western Blot)
Antigen Source	Human
Antigen Type	Recombinant Protein
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



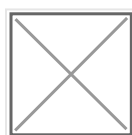
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human colorectal carcinoma with PCNA mouse mAb (2E1-G10-H10,1:400 diluted),showing nuclear localization.A high pressure mediated antigen retrieval step was performed in citrate buffer(pH6.0).



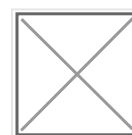
IP (Immunoprecipitation)

Immunoprecipitation analysis of Hela cell lysates using PCNA mouse mAb.



ICC (Immunocytochemistry)

Immunocytochemistry staining of HeLa cells using PCNA mouse mAb (dilution 1:100).Fixed in 100% methanol for 2hr at -20 degree C.



WB (Western Blot)

Western blot detection of PCNA in Hela,3T3,COS7,C6 and CHO-K1 cell lysates using PCNA mouse mAb (1:1000 diluted).Predicted band size:36KDa.Observed band size:36KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PCNA antibody	Auxiliary protein of DNA polymerase delta and is involved in the control of eukaryotic DNA replication by increasing the polymerase's processibility during elongation of the leading strand. Induces a robust stimulatory effect on the 3'-5' exonuclease and 3'-phosphodiesterase, but not apurinic- apyrimidinic (AP) endonuclease, APEX2 activities. Has to be loaded onto DNA in order to be able to stimulate APEX2. Plays a key role in DNA damage response (DDR) by being conveniently positioned at the replication fork to coordinate DNA replication with DNA repair and DNA damage tolerance pathways. Acts as a loading platform to recruit DDR proteins that allow completion of DNA replication after DNA damage and promote postreplication repair: Monoubiquitinated PCNA leads to recruitment of translesion (TLS) polymerases, while 'Lys-63'-linked polyubiquitination of PCNA is involved in error-free pathway and employs recombination mechanisms to synthesize across the lesion.
Product Categories/Family for anti-PCNA antibody	Cancer ; Cell biology
References	Almendral J.M.,et al.Proc. Natl. Acad. Sci. U.S.A. 84:1575-1579(1987). Travalì S.,et al.J. Biol. Chem. 264:7466-7472(1989). Ota T.,et al.Nat. Genet. 36:40-45(2004). Deloukas P.,et al.Nature 414:865-871(2001). Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DBJ databases.

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	28769
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-antibody-immunohistochemistry-immunoprecipitation-immunocytochemistry-western-blot-elisa/290425>