PCNA Monoclonal Antibody

Catalog No: #27211

Package Size: #27211-1 50ul #27211-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

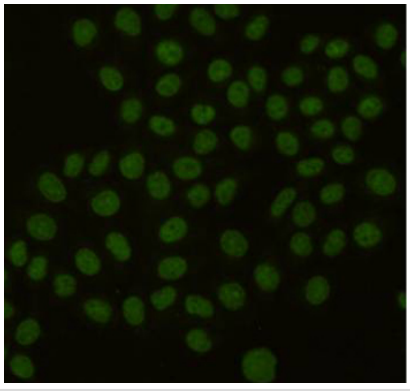
Product Name	PCNA Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	6B12-D7-H9
Isotype	IgG2b
Applications	WB IP ICC
Species Reactivity	Hu Ms Mk Rt Hm
Specificity	This antibody detects endogenous levels of PCNA and does not cross-react with related proteins.
Immunogen Type	Recombinant Protein
Immunogen Description	Purified recombinant human PCNA protein fragments expressed in E.coli.
Target Name	PCNA
Other Names	Cyclin; DNA polymerase delta auxiliary protein; HGCN8729; MGC8367; Mutagen-sensitive 209 protein; OTTHUMP00000030189; OTTHUMP00000030190; PCNA; Pcna/cyclin; PCNA_HUMAN; PCNAR; Polymerase delta accessory protein; Proliferating cell nuclear antigen.
Accession No.	Uniprot: P12004 Gene ID: 5111
Uniprot	P12004
GeneID	5111;
SDS-PAGE MW	36kd
Formulation	ascites
Storage	store at -20Λ C

Application Details

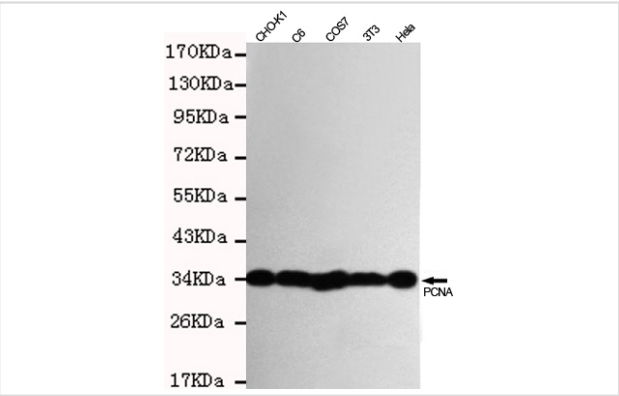
Western blotting: 1:1000

Immunocytochemistry: 1:100

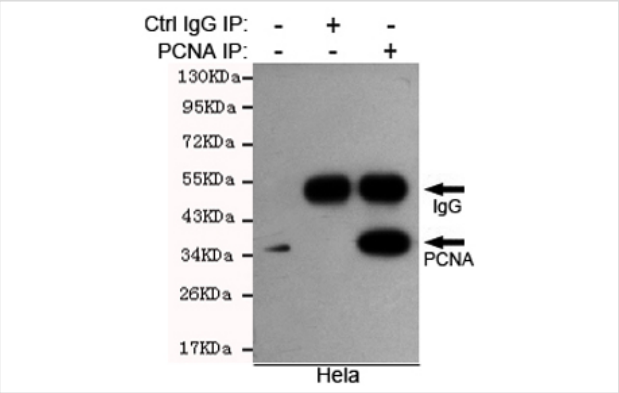
Images



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



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



Immunoprecipitation analysis of Hela cell lysates using PCNA antibody.

Background

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.

Note: This product is for in vitro research use only