



PCNA (ANT0024R) Rabbit mAb

CatalogNo: ANT8141 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species

- Rabbit
- Human,Mouse,Rat,

Reactivity

- WB,IHC,IF,IP,ELISA

Applications

MW

- 29kD (Calculated)
 - IgG,Kappa
- 36kD (Observed)

Isotype

Recommended Dilution Ratios

Sequence

ATLD2;cb16;Cyclin;DNA polymerase delta auxiliary protein;etID36690.10;fa28e03;fb36g03;HGCN8729;MGC8367;Mutagen-sensitive 209 protein;OTTHUMP00000030189;OTTHUMP00000030190;PCNA;Pcna/cyclin;PCNA_HUMAN;PCNAR;Polymerase delta accessory protein;Proliferating cell nuclear antigen;wu:fa28e03;wu:fb36g03

Specificity Endogenous
IHC 1:1000-1:4000
WB 1:1000-1:5000
IF 1:200-1:1000
ELISA 1:5000-1:20000
IP 1:50-1:200,

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
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Basic Information

Clonality	Monoclonal
Clone Number	ANT0024R

Immunogen Information

Target Information

Gene name >>DNA replication;>>Base excision repair;>>Nucleotide excision repair;>>Mismatch repair;>>Cell cycle;>>Tight junction;>>Hepatitis B

Protein Name PCNA

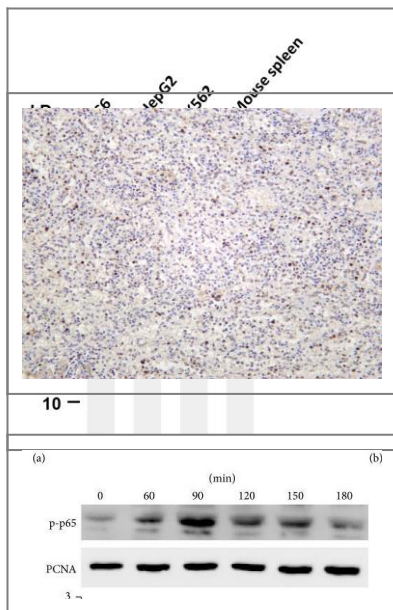
Organism	Gene ID	UniProt ID
Human	5111 ;	P12004 ;
Mouse		P17918 ;
Rat		P04961 ;

Cellular Localization Nucleus

Tissue specificity Tonsil/ Colon

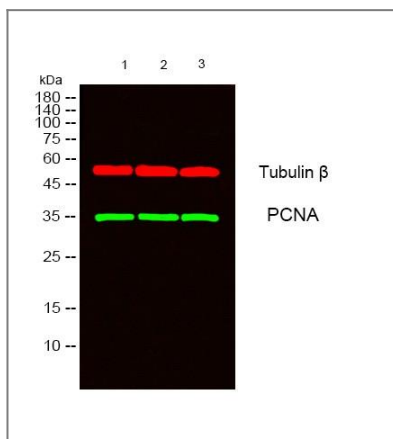
Function Disease:Antibodies are present in sera from patients with systemic lupus erythematosus.,Function:This protein is an auxiliary protein of DNA polymerase delta and is involved in the control of eukaryotic DNA replication by increasing the polymerase's processibility during elongation of the leading strand.,online information:PCNA entry,ANTM:Upon methyl methanesulfonate-induced DNA damage, mono-ubiquitinated by the UBE2B-RAD18 complex on Lys-164. This induces non-canonical poly-ubiquitination on Lys-164 through 'Lys-63' linkage of ubiquitin moieties by the E2 complex UBE2N-UBE2V2 and the E3 ligases RNF8 and SHPRH, which are required for DNA repair.,similarity:Belongs to the PCNA family.,subunit:Homotrimer. Interacts with KCTD10. Interacts with PPP1R15A (By similarity). Forms a complex with activator 1 heteropentamer in the presence of ATP. Interacts with POLH, POLK, DNMT1, ERCC5/XPG, FEN1, CDC6, APEX2 and POLDIP2. Interacts with EXO1 and SHPRH. Forms a ternary complex with DNTTIP2 and core histone. Interacts with POLD1, POLD3 and POLD4. Interacts with BAZ1B/WSTF; the interaction is direct.,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-PCNA (ANT0024R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: C6 Lane 2: HepG2 Lane 3: K562 Lane 4: Mouse spleen
 Predicted band size: 29kDa Observed band size: 36kDa
 Human spleen was stained with anti-PCNA (ANT0024R) rabbit antibody

Yan, Jinchuan, et al. "CD137 regulates NFATc1 expression in mouse VSMCs through TRAF6/NF- κ B p65 signaling pathway." *Mediators of inflammation* 2015 (2015).



Western blot analysis of lysates from 1) HepG2, 2) HuvEC, 3) COS7 cells, (Green) primary antibody was diluted at 1:1000, 4° over night, secondary antibody (cat:RS23920) was diluted at 1:10000, 37° 1 hour. (Red) Tubulin β Monoclonal Antibody (5G3) (cat:YM3030) antibody was diluted at 1:5000 as loading control, 4° over night, secondary antibody (cat:RS23710) was diluted at 1:10000, 37° 1 hour.

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Contact Antagene Inc Tel 1-866-964-2589 Email: info@antageneinc.com