PCNA (R545Y) Rabbit mAb

CatalogNo: AR0103 Recombinant FSS™

•Main information

Target	PCNA
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
MW (kDa)	29kD (Calculated) 36kD (Observed)
Host Species	Rabbit
Isotype	IgG,Kappa

•Recommended Dilutions

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, Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0 (Cat#RH0011)

•Detailed information

Specificity	Endogenous
Storage	-15°C to -25°C/1 year(Do not lower than -25°C, Ship by ice bag)
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Purification	Protein A
Clonality	Monoclonal
Clone Number	R545Y

•Target Information

Gene name PCNA

Protein Name Proliferating cell nuclear antigen

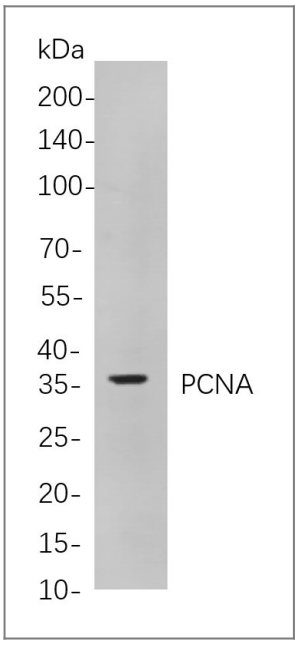
Organism	Gene ID	UniProt ID
Human	5111;	P12004;
Mouse	18538;	P17918;
Rat	25737;	P04961;

Cellular Localization Nucleus

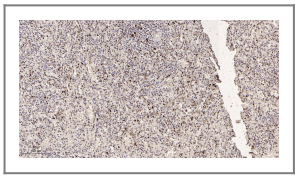
Tissue specificity Tonsil/ Colon

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,PTM: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.,

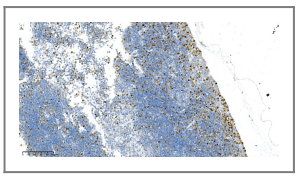
•Validation Data



Western blot analysis of lysates from HepG2 cells, using PCNA Rabbit mAb.



Immunohistochemical analysis of paraffin-embedded Human spleen tissue. 1, primary Antibody was diluted at 1:200(4～C,overnight). 2, EDTA pH 9.0 was used for antibody retrieval(>98～C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min).



Immunohistochemical analysis was performed on paraffin-embedded Mouse thymus tissue sections using an anti-PCNA antibody.

•Contact information

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Please scan the QR code to access additional product information:
PCNA (R545Y) Rabbit mAb

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