

产品名称: PCNA Rabbit Polyclonal Antibody
产品货号: AP Rab15855



产品概述 (Summary)

产品名称 (Production Name)	PCNA Rabbit Polyclonal Antibody
描述 (Description)	Rabbit Polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, WB,
种属反应性 (Reactivity)	Human, Mouse, Rat, Monkey, Rabbit

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	PCNA
别名 (Alternative Names)	PCNA; Proliferating cell nuclear antigen; PCNA; Cyclin
基因 ID (Gene ID)	5111.0
蛋白 ID (SwissProt ID)	P12004. The antiserum was produced against synthesized peptide derived from human PCNA. AA range: 61-110

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-2000; IHC-p 1:100-500; ELISA 1:5000-20000
蛋白分子量 (Molecular Weight)	30-33kd

研究背景 (Background)

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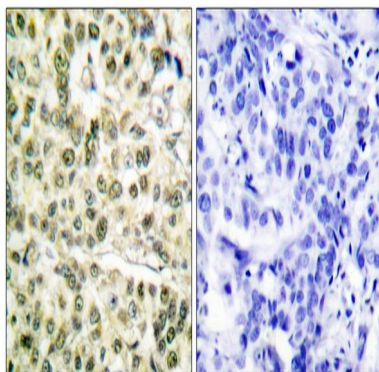


The protein encoded by this gene is found in the nucleus and is a cofactor of DNA polymerase delta. The encoded protein acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. In response to DNA damage, this protein is ubiquitinated and is involved in the RAD6-dependent DNA repair pathway. Two transcript variants encoding the same protein have been found for this gene. Pseudogenes of this gene have been described on chromosome 4 and on the X chromosome. [provided by RefSeq, Jul 2008],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.,

研究领域 (Research Area)

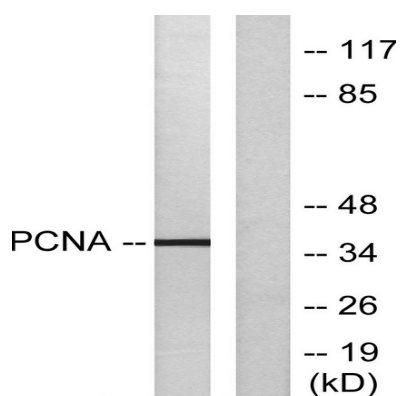
Protein_Acetylation

图片 (Image Data)

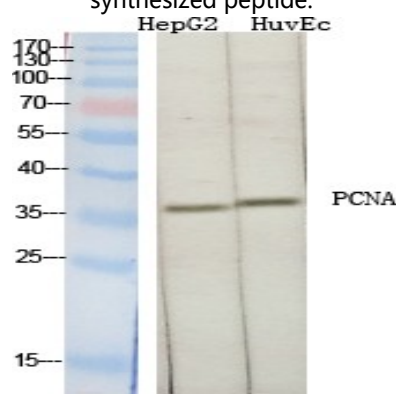


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using PCNA Antibody. The picture on the right is blocked with the synthesized peptide.

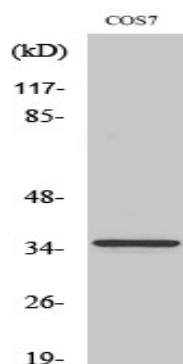
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Western blot analysis of lysates from HepG2 cells, using PCNA Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using PCNA Polyclonal Antibody diluted at 1: 2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA) .



Western Blot analysis of COS7 cells using PCNA Polyclonal Antibody diluted at 1: 2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA) .

注意事项 (Note)

For research use only .