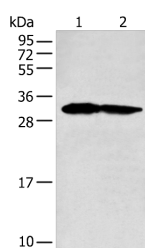


## PCNA Polyclonal Antibody

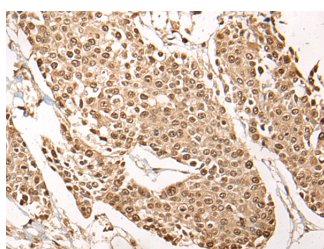
<b>Catalog No.</b>	E-AB-18205	<b>Reactivity</b>	H,M,R
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	WB,IHC,ELISA	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

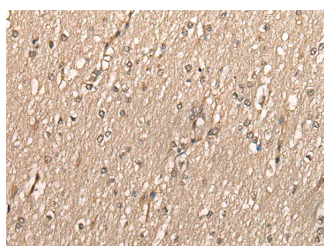
### Images



Western blot analysis of 293T and HEPG2 cell lysates using PCNA Polyclonal Antibody at dilution of 1:400



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using PCNA Polyclonal Antibody at dilution of 1:35(×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using PCNA Polyclonal Antibody at dilution of 1:35(×200)

### Immunogen Information

<b>Immunogen</b>	Fusion protein of human PCNA
<b>Gene Accession</b>	BC000491
<b>Swissprot</b>	P12004
<b>Synonyms</b>	ATLD2,cb16,Cyclin,DNA polymerase delta auxiliary protein,fa28e03,fb36g03

### Product Information

<b>Calculated MW</b>	29 kDa
<b>Observed MW</b>	Refer to figures
<b>Buffer</b>	PBS with 0.05% NaN <sub>3</sub> and 40% Glycerol,pH7.4
<b>Purify</b>	Antigen affinity purification
<b>Dilution</b>	WB 1:500-1:2000, IHC 1:25-1:100, ELISA 1:5000-1:10000

### Background

Proliferating Cell Nuclear Antigen, commonly known as PCNA, is a protein that acts as a processivity factor for DNA polymerase  $\delta$  in eukaryotic cells. 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. PCNA induces a robust stimulatory effect on the 3'-5' exonuclease and 3'-phosphodiesterase, but not apurinic-aprimidinic (AP) endonuclease, APEX2 activities. It has to be loaded onto DNA in order to be able to stimulate APEX2. PCNA protein is highly conserved during evolution; the deduced amino acid sequences of rat and human differ by only 4 of 261 amino acids. PCNA has been used as loading control for proliferating cells.

### For Research Use Only

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Applications: WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.