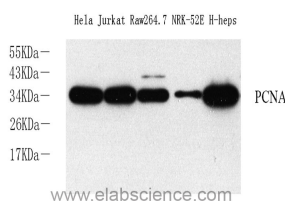


## PCNA Polyclonal Antibody

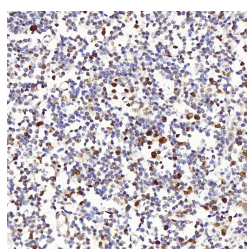
<b>Catalog No.</b>	E-AB-70004	<b>Reactivity</b>	H,M,R
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	WB,IHC	<b>Isotype</b>	IgG

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

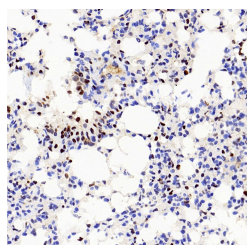
### Images



Western Blot analysis of various samples using Proliferating Cell Nuclear Antigen Polyclonal Antibody at dilution of 1:2000.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using Proliferating Cell Nuclear Antigen Polyclonal Antibody at dilution of 1:300.



Immunohistochemistry analysis of paraffin-embedded Mouse lung using Proliferating Cell Nuclear Antigen Polyclonal Antibody at dilution of 1:300.

### Immunogen Information

<b>Immunogen</b>	KLH conjugated Synthetic peptide corresponding to Mouse PCNA
<b>Gene Accession</b>	BC020766
<b>Swissprot</b>	P12004,P17918,P04961
<b>Synonyms</b>	PCNA, ATLD2, proliferating cell nuclear antigen

### Product Information

<b>Calculated MW</b>	33kDa
<b>Observed MW</b>	33kDa
<b>Buffer</b>	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4
<b>Purify</b>	Affinity purification
<b>Dilution</b>	WB 1:1000-1:3000, IHC 1:300-1:800

### 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.