

# PCNA antibody

**Cat. No. GTX100539**

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Application</b>	WB, ICC/IF, IHC-P, IHC-Fr, IP, FISH, IHC
<b>Reactivity</b>	Human, Mouse, Rat, Drosophila, Golden Syrian Hamster

Reference ( 82 )

★★★★★ Review ( 8 )

Package

100 µl, 25 µl

## PRODUCT

### Summary

PCNA antibody recognizes the proliferating cell nuclear antigen (PCNA), a cofactor of DNA polymerase delta with a predicted molecular weight of 29 kDa. PCNA is important for DNA synthesis, repair, and epigenetic modifications, and also serves as an organelle marker of the nucleus. PCNA antibody can be used for distinguishing between early, middle, and late S-phase of the cell cycle as well as grading of different neoplasms.

## APPLICATION

### Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IHC-Fr	Assay dependent
IP	1:100-1:500
FISH	Assay dependent
IHC	Assay dependent

Not tested in other applications.

**Calculated MW** 29 kDa. ( [Note](#) )

**Product Note** IP/MS validation was supported by references (PMID:30377373)

## PROPERTIES

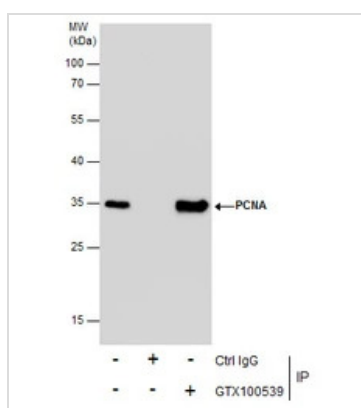
<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 1% BSA, 20% Glycerol
<b>Preservative</b>	0.025% ProClin 300
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



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<b>Concentration</b>	0.11 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human PCNA. The exact sequence is proprietary.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated
<b>Note</b>	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.  Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

## DATA IMAGES

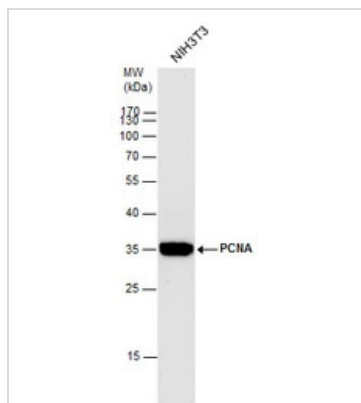


### GTX100539 IP Image

Immunoprecipitation of PCBP2 protein from HeLa whole cell extracts using 5 µg of PCBP2 antibody (GTX100539).

Western blot analysis was performed using PCBP2 antibody (GTX100539).

EasyBlot anti-Rabbit IgG (GTX221666-01) was used as a secondary reagent.



### GTX100539 WB Image

PCNA antibody detects PCNA protein by western blot analysis.

A. 30 µg NIH-3T3 whole cell lysate/extract

12% SDS-PAGE

PCNA antibody (GTX100539) dilution: 1:2500

The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



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