

# Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten! See the following pages for more information!



## Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

## Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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#### **PCNA Antibody**

Rabbit Polyclonal

Antigen Affinity Purified Protein ID P12004
Catalog No. A300–277A GeneID 5111

Lot No. A300-277A-2

**APPLICATIONS** WB, IP, IHC, IHC-IF

SPECIES REACTIVITY Human

**PRESUMED REACTIVITY** Based on 100% sequence identity, this antibody is predicted to react with Rat and Bovine

**AMOUNT** 100 μ

 $\textbf{CONCENTRATION} \qquad \quad 1000 \; \mu \text{g/ml}$ 

**STORAGE/SHELF LIFE** 2 – 8° C / 1 year from date of receipt

PHYSICAL STATE Liquid

**BUFFER** Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide

ISOTYPE IgG
ORIGIN USA

**PRODUCTION** Antibody was affinity purified using an epitope specific to PCNA immobilized on solid

**PROCEDURES** support.

The epitope recognized by A300–277A maps to a region between residue 225 and the C-terminus (residue 261) of human proliferating cell nuclear antigen using the numbering

given in SwissProt entry P12004 (GeneID 5111).

Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280

nm of 1.4 equals 1.0 mg of IgG.

**APPLICATIONS** Centrifuge tube to remove product from lid. Optimal working dilutions should be determined

experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:5,000 - 1:20,000 Immunoprecipitation 2 - 10 µg/mg lysate

Immunohistochemistry 1:2,000 - 1:10,000. Epitope retrieval with citrate buffer pH 6.0 is

recommended for FFPE tissue sections.

Immunofluorescence 1:1,000 – 1:5,000

(IHC)

IHC HUMAN CONTROLS Breast Carcinoma, Colon Carcinoma, Non-Small Cell Lung Cancer, Ovarian Carcinoma, Prostate

Carcinoma, Stomach Adenocarcinoma, Testicular Seminoma

IHC MOUSE CONTROLS Renal Cell Carcinoma, Teratoma

ADDITIONAL INFO https://www.bethyl.com/product/A300-277A

Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: https://www.bethyl.com/content/protocol\_IP\_WB

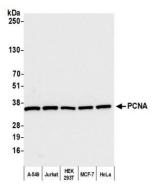
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

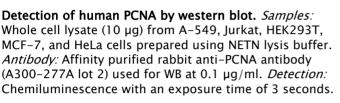
Brian McWilliams, PhD

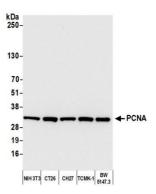
Date: July 9, 2021



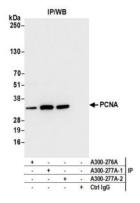
PCNA Antibody A300-277A



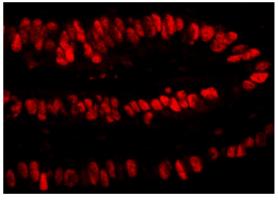




Detection of mouse PCNA by western blot. Samples: Whole cell lysate (10  $\mu$ g) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PCNA antibody (A300-277A lot 2) used for WB at 0.1  $\mu$ g/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.

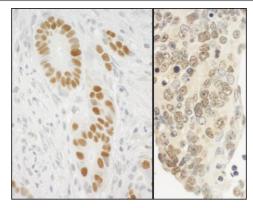


Detection of human PCNA by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 5% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-PCNA antibody (A300–277A lot 2) used for IP at 6 μg per reaction. PCNA was also immunoprecipitated by a previous lot of this antibody (A300–277A lot 1) and a second antibody against a different epitope of PCNA (A300–276A). For blotting immunoprecipitated PCNA, A300–277A was used at 0.1 μg/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



Detection of human PCNA by immunohistochemistry. Sample: FFPE section of human stomach carcinoma. Antibody: Affinity purified rabbit anti-PCNA (Cat. No. A300-277A Lot1) used at a dilution of 1:4,000 (0.25 µg/ml). Detection: Red-fluorescent goat anti-rabbit IgGheavy and light chain cross-adsorbed Antibody DyLight® 594 Conjugated used at a dilution of 1:100.

PCNA Antibody A300-277A



Detection of human and mouse PCNA by immunohistochemistry. Sample: FFPE section of human stomach carcinoma (left) and mouse teratoma (right). Antibody: Affinity purified rabbit anti-PCNA (Cat. No. A300-277A Lot1) used at a dilution of 1:10,000 (0.1 µg/ml). Detection: DAB