# PARN Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A303-562A

Lot No. A303-562A-2

Protein ID NP_002573.1

GeneID 5073

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| **APPLICATIONS** | WB, IP, IHC |
| **SPECIES REACTIVITY** | Human |
| **PRESUMED REACTIVITY** | Based on 100% sequence identity, this antibody is predicted to react with Orangutan |
| **AMOUNT** | 100 µl |
| **CONCENTRATION** | 1000 µg/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 PROCEDURES** | Antibody was affinity purified using an epitope specific to PARN immobilized on solid support.<br><br>The epitope recognized by A303-562A maps to a region between residue 589 and 639 of human Poly(A)-Specific Ribonuclease (Deadenylation Nuclease) using the numbering given in entry NP_002573.1 (GeneID 5073).<br><br>Antibody 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. |

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| Western Blot | 1:2,000 - 1:10,000 |
| Immunoprecipitation | 2 - 10 µg/mg lysate |
| Immunohistochemistry | 1:500 to 1:2,000. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. |

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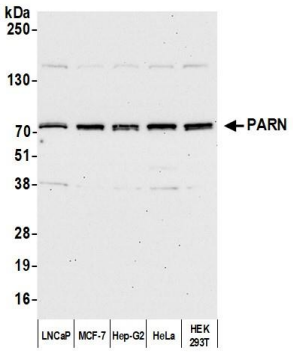
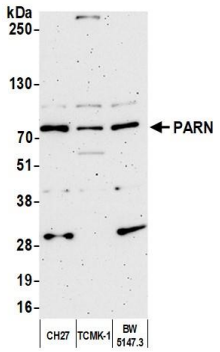
| **IHC HUMAN CONTROLS** | Breast Carcinoma, Ovarian Carcinoma |
| **IHC MOUSE CONTROLS** | Renal Cell Carcinoma |
| **ADDITIONAL INFO** | https://www.bethyl.com/product/A303-562A<br>Use the link above to view SDS, a current list of citations, and other product specific information.<br>IP-western blot 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.

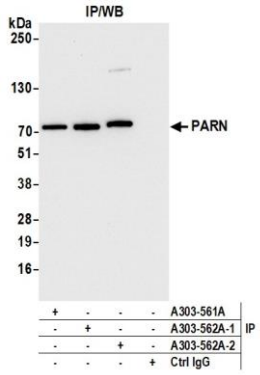
Brian McWilliams, PhD Date: July 9, 2021



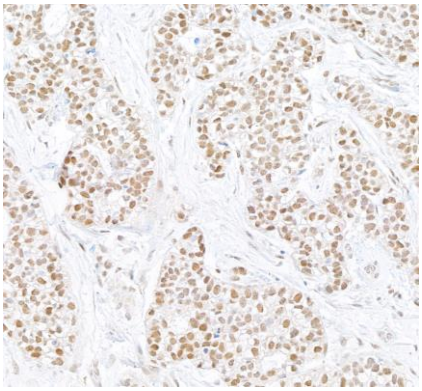

**Detection of human PARN by western blot.** *Samples:* Whole cell lysate (10 µg) from LNCaP, MCF-7, Hep-G2, HeLa, and HEK293T cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-PARN antibody (A303-562A lot 2) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.




**Detection of mouse PARN by western blot.** *Samples:* Whole cell lysate (10 µg) from CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-PARN antibody (A303-562A lot 2) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.




**Detection of human PARN 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-PARN antibody (A303-562A lot 2) used for IP at 6 µg per reaction. PARN was also immunoprecipitated by a previous lot of this antibody (A303-562A lot 1) and a second antibody against a different epitope of PARN (A303-561A). For blotting immunoprecipitated PARN, A303-562A was used at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 seconds.



**Detection of human PARN by immunohistochemistry.** *Sample:* FFPE section of human breast carcinoma. *Antibody:* Affinity purified rabbit anti-PARN (A303-562A Lot 2) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB. *Counterstain:* Hematoxylin (blue).