

# CPD Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID O75976.2

Catalog No. A305-514A

GeneID 1362

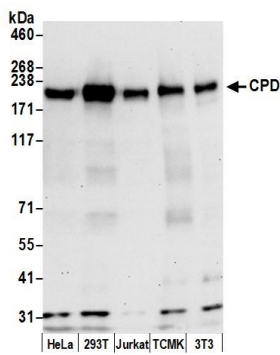
Lot No. A305-514A-1



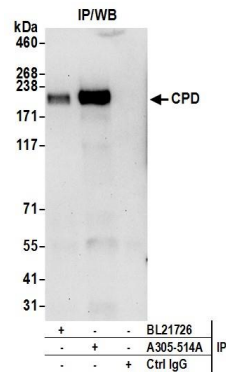
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>APPLICATIONS</b>          | WB, IP                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>SPECIES REACTIVITY</b>    | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>PRESUMED REACTIVITY</b>   | Based on 100% sequence identity, this antibody is predicted to react with Rat                                                                                                                                                                                                                                                                                                                                  |
| <b>AMOUNT</b>                | 100 µl                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>CONCENTRATION</b>         | 1000 µg/ml                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>STORAGE/SHELF LIFE</b>    | 2 – 8° C / 1 year from date of receipt                                                                                                                                                                                                                                                                                                                                                                         |
| <b>PHYSICAL STATE</b>        | Liquid                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>BUFFER</b>                | Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide                                                                                                                                                                                                                                                                                                                                         |
| <b>ISOTYPE</b>               | IgG                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ORIGIN</b>                | USA                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>PRODUCTION PROCEDURES</b> | <p>Antibody was affinity purified using an epitope specific to CPD immobilized on solid support.</p> <p>The epitope recognized by A305-514A maps to a region between residue 1330 to 1380 of human Carboxypeptidase D using the numbering given in entry O75976.2 (GeneID 1362).</p> <p>Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p> |
| <b>APPLICATIONS</b>          | <p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <p>Western Blot 1:2,000 – 1:10,000</p> <p>Immunoprecipitation 2 – 10 µg/mg lysate</p>                                                                                                                                   |
| <b>APPLICATION NOTES</b>     | <p>Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).</p> <p>Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.</p>                                                        |
| <b>ADDITIONAL INFO</b>       | <p><a href="https://www.bethyl.com/product/A305-514A">https://www.bethyl.com/product/A305-514A</a></p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</p> <p>IP-western blot protocol: <a href="https://www.bethyl.com/content/protocol_IP_WB">https://www.bethyl.com/content/protocol_IP_WB</a></p>                                                  |

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019



**Detection of human and mouse CPD by western blot.**  
*Samples:* Whole cell lysate (15 µg) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-CPD antibody A305-514A (lot A305-514A-1) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



**Detection of human CPD by western blot of immunoprecipitates.** *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-CPD antibody A305-514A (lot A305-514A-1) used for IP at 6 µg per reaction. CPD was also immunoprecipitated by rabbit anti-CPD antibody BL21726. For blotting immunoprecipitated CPD, A305-514A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.