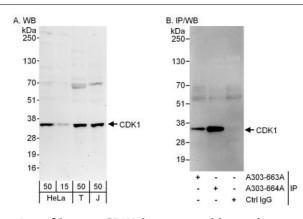
## CDK1 Antibody

| Rabbit Polyclonal<br>Antigen Affinity Purifie<br>Catalog No. A303-0<br>Lot No. A303-0 | 563A Genell  |   | NP_001777.1<br>983                                       |                     | BETHYL<br>LABORATORIES, INC |
|---|--|---|--|---------------------|-----------------------------|
| APPLICATIONS  | WB, IP   |   |  |                     |                             |
| SPECIES REACTIVITY Human  |  |   |  |                     |                             |
| PRESUMED REACTIVITYBased on 100%<br>OrangutanAMOUNT100 µl                             |  | sequence identity, this antibody is predicted to react with Chicken, Bovine and |  |                     |                             |
| 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<br>PROCEDURES  | Antibody was affinity purified using an epitope specific to CDK1 immobilized on solic  |   |  |                     | zed on solid support.       |
| PROCEDURES  | The epitope recognized by A303-663A maps to a region between residue 1 and 50 of human Cyclin-Dependent Kinase 1 using the numbering given in entry NP_001777.1 (GeneID 983).  |   |  |                     |                             |
|   | Antibody concentration equals 1.0 mg of IgG.   | was c   | determined by extinction                                 | coefficient: absorb | ance at 280 nm of 1.4       |
| 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   | 1:2   | 2,000 - 1:10,000   |                     |                             |
|   | Immunoprecipitation  | 2 -   | 10 µg/mg lysate  |                     |                             |
| APPLICATION NOTES   | Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100–020),<br>Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120–113P) and 4–20% SDS–PAGE<br>(link to IP–western blot protocol in Additional Info section below). |   |  |                     |                             |
|   | Western blot of lysates  | perfor  | rmed using standard west                                 | ern blot reagents a | nd 4–20% SDS–PAGE.          |
| ADDITIONAL INFO   | https://www.bethyl.com   |   |  |                     |                             |
|   |  |   | 95, a current list of citatio<br>ps://www.bethyl.com/con | •                   |                             |

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

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Detection of human CDK1 by western blot and immunoprecipitation. *Samples:* Whole cell lysate from HeLa (15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 µg) and Jurkat (J; 50 µg) cells. *Antibodies:* Affinity purified rabbit anti-CDK1 antibody A303-663A used for WB at 0.1 µg/ml (A) and 0.4 µg/ml (B) and used for IP at 6 µg/mg lysate. CDK1 was also immunoprecipitated by rabbit anti-CDK1 antibody A303-664A, which recognizes a downstream epitope. *Detection:* Chemiluminescence with exposure times of 3 minutes (A) and 30 seconds (B).

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