

CDK7 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID P50613

Catalog No. A300-405A

GeneID 1022

Lot No. A300-405A-2



APPLICATIONS	WB, IP, IHC, ICC
SPECIES REACTIVITY	Human, Mouse, Rat
AMOUNT	100 μ l
CONCENTRATION	1000 μ 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 PROCEDURES	Antibody was affinity purified using an epitope specific to CDK7 immobilized on solid support.

The epitope recognized by A300-405A maps to a region between residues 300 and the C-terminus (residue 346) of human Cyclin-Dependent Kinase 7 using the numbering given in Swiss-Prot entry P50613 (GeneID 1022).

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.

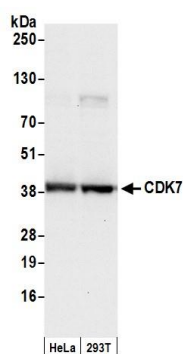
Western Blot	1:2,000 – 1:10,000
Immunoprecipitation	2 – 10 μ g/mg lysate
Immunohistochemistry	1:500 – 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
Immunocytochemistry	1:100 – 1:500

APPLICATION NOTES 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 4-20% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

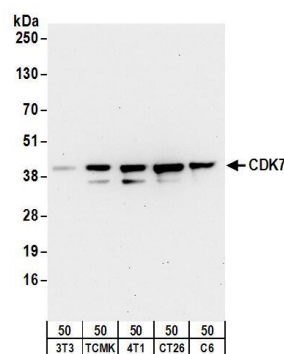
IHC HUMAN CONTROLS Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE. Ovarian Carcinoma

ADDITIONAL INFO <https://www.bethyl.com/product/A300-405A>
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

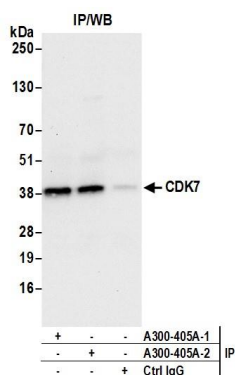
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



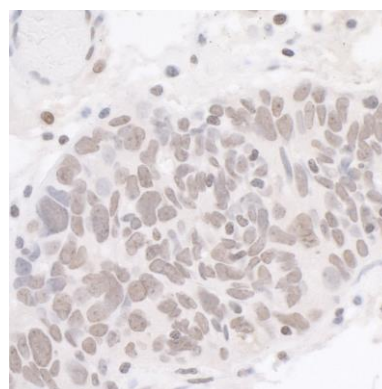
Detection of human CDK7 by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa and HEK293T cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-CDK7 antibody A300-405A (lot A300-405A-2) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



Detection of mouse and rat CDK7 by western blot. *Samples:* Whole cell lysate (50 µg) from NIH 3T3, TCMK-1, 4T1, CT26.WT, and rat C6 cells. *Antibodies:* Affinity purified rabbit anti-CDK7 antibody A300-405A (lot A300-405A-1) used for WB at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of human CDK7 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-CDK7 antibody A300-405A (lot A300-405A-2) used for IP at 6 µg per reaction. CDK7 was also immunoprecipitated by a previous lot of this antibody A300-405A-1. For blotting immunoprecipitated CDK7, A300-405A was used at 0.4 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



Detection of human CDK7 by immunohistochemistry. *Sample:* FFPE section of human ovarian carcinoma. *Antibody:* Affinity purified rabbit anti-CDK7 (Cat. No. A300-405A Lot2) used at a dilution of 1:1,000 (1 µg/ml). *Detection:* DAB