

Chk1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID O14757

Catalog No. A300-298A

GeneID 1111

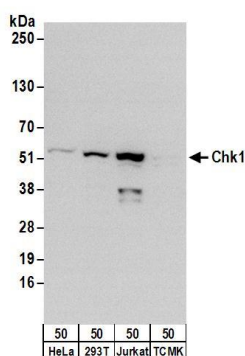
Lot No. A300-298A-2



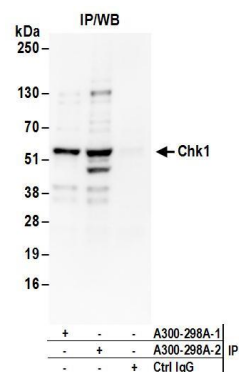
APPLICATIONS	WB, IP, IHC						
SPECIES REACTIVITY	Human						
AMOUNT	100 µl						
CONCENTRATION	1000 µg/ml						
STORAGE/SHELF LIFE	2 – 8° C / 1 year from date of receipt						
PHYSICAL STATE	Liquid						
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide						
ISOTYPE	IgG						
ORIGIN	USA						
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to Chk1 immobilized on solid support. The epitope recognized by A300-298A maps to a region between residues 250 and 300 of human Checkpoint Kinase 1 using the numbering given in SwissProt entry O14757 (GeneID 1111). 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. <table><tr><td>Western Blot</td><td>1:1,000 – 1:5,000</td></tr><tr><td>Immunoprecipitation</td><td>2 – 10 µg/mg lysate</td></tr><tr><td>Immunohistochemistry</td><td>1:1,000 – 1:5,000. Epitope retrieval with Tris-EDTA pH 9.0 is recommended for FFPE tissue sections.</td></tr></table>	Western Blot	1:1,000 – 1:5,000	Immunoprecipitation	2 – 10 µg/mg lysate	Immunohistochemistry	1:1,000 – 1:5,000. Epitope retrieval with Tris-EDTA pH 9.0 is recommended for FFPE tissue sections.
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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). Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.						
IHC HUMAN CONTROLS	Colon Carcinoma, Testis, HeLa Cells						
ADDITIONAL INFO	https://www.bethyl.com/product/A300-298A 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

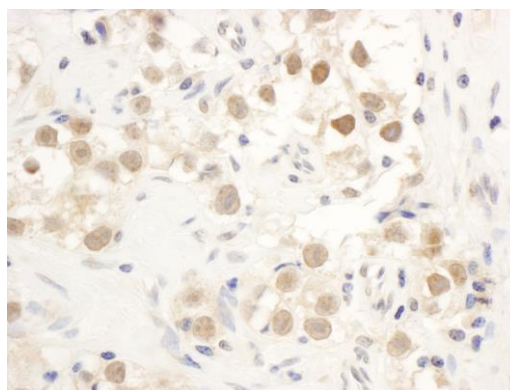
Date: June 21, 2019



Detection of human Chk1 by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa, HEK293T, Jurkat, and mouse TMCK cells. *Antibodies:* Affinity purified rabbit anti-Chk1 antibody A300-298A (lot A300-298A-2) used for WB at 0.4 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of human Chk1 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1 mg for IP; 20% of IP loaded) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-Chk1 antibody A300-298A (lot A300-298A-2) used for IP at 6 µg/mg lysate. Chk1 was also immunoprecipitated by a previous lot (lot A300-298A-1) of this antibody. For blotting immunoprecipitated Chk1, A300-298A-2 was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of human CHK1 by immunohistochemistry.
Sample: FFPE section of human breast carcinoma.
Antibody: Affinity purified rabbit anti-CHK1 (Cat. No. A300-298A Lot2) used at a dilution of 1:1,000 (1 µg/ml).
Detection: DAB