

Cyclin K Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_001092872.1

Catalog No. A301-939A

GeneID 8812

Lot No. A301-939A-10

APPLICATIONS WB, IP, IHC

SPECIES REACTIVITY Human, Mouse

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 Cyclin K immobilized on solid support.

The epitope recognized by A301-939A maps to a region between residue 530 and 580 of human cyclin K using the numbering given in entry NP_001092872.1 (GeneID 8812).

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 µg/mg lysate

Immunohistochemistry 1:1,000 to 1:5,000. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.

IHC HUMAN CONTROLS Bladder Cell Carcinoma, Breast Carcinoma, Non-Small Cell Lung Cancer, Ovarian Carcinoma, Skin Squamous Cell Carcinoma, Testicular Seminoma

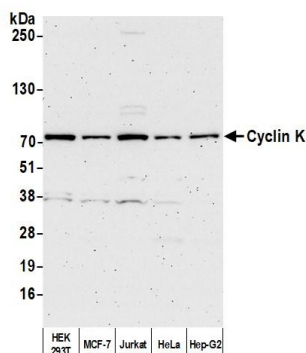
ADDITIONAL INFO <https://www.fortislife.com/p/A301-939A>

Use the link above to view SDS, a current list of citations, and other product specific information.

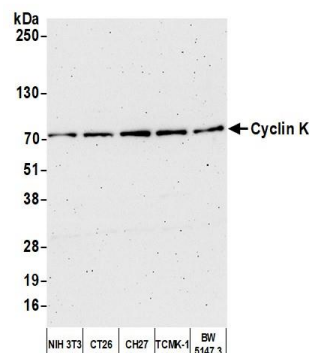
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Michael Spencer, PhD

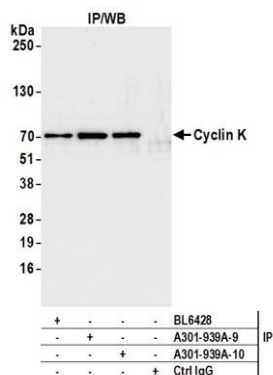
Date: July 29, 2022



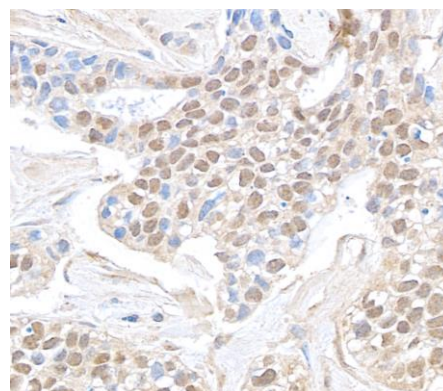
Detection of human Cyclin K by western blot. *Samples:* Whole cell lysate (25 µg) from HEK293T, MCF-7, Jurkat, HeLa, and Hep-G2 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-Cyclin K antibody (A301-939A lot 10) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of mouse Cyclin K by western blot. *Samples:* Whole cell lysate (25 µg) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-Cyclin K antibody (A301-939A lot 10) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human Cyclin K by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-Cyclin K antibody (A301-939A lot 10) used for IP at 6 µg per reaction. Cyclin K was also immunoprecipitated by a previous lot of this antibody (A301-939A lot 9) and a second antibody against a different epitope of Cyclin K (BL6428). For blotting immunoprecipitated Cyclin K, A301-939A was used at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 seconds.



Detection of human Cyclin K by immunohistochemistry. *Sample:* FFPE section of human breast carcinoma. *Antibody:* Affinity purified rabbit anti-Cyclin K (A301-939A lot 10) used at a dilution of 1:5,000 (0.2 µg/ml). *Detection:* DAB