

p16INK4a Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID AAA92554.1

Catalog No. A301-267A

GeneID 1029

Lot No. A301-267A-4



APPLICATIONS WB, IP, IHC

SPECIES REACTIVITY Human

AMOUNT 100 µl

CONCENTRATION 200 µg/ml

STORAGE/SHELF LIFE 2 – 8° C / 1 year from date of receipt

PHYSICAL STATE Liquid

BUFFER Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide

ISOTYPE IgG

ORIGIN USA

PRODUCTION PROCEDURES Antibody was affinity purified using an epitope specific to p16INK4a immobilized on solid support.

The epitope recognized by A301-267A maps to a region between residue 106 and 156 of human CDK4 inhibitor p16-INK4a using the numbering given in entry AAA92554.1 (GeneID 1029).

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 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.

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 4-12% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

Western blot of lysates performed using standard western blot reagents and 4-12% SDS-PAGE.

IHC HUMAN CONTROLS Ovarian Carcinoma

ADDITIONAL INFO <https://www.bethyl.com/product/A301-267A>

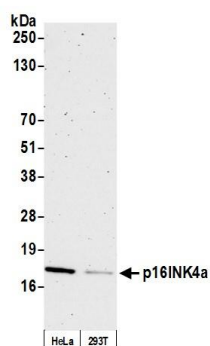
Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol https://www.bethyl.com/content/protocol_IP_WB

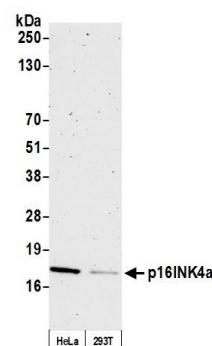
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Eric McIntush, PhD | Chief Scientific Officer

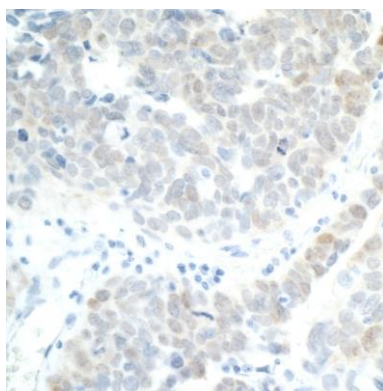
Date: September 27, 2019



Detection of human p16INK4a by western blot. *Samples:* Whole cell lysate (50 μ g) from HeLa and HEK293T cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-p16INK4a antibody A301-267A (lot A301-267A-4) used for WB at 0.1 μ g/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human p16INK4a by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-p16INK4a antibody A301-267A (lot A301-267A-4) used for IP at 6 μ g per reaction. p16INK4a was also immunoprecipitated by a previous lot of this antibody (lot A301-267A-3). For blotting immunoprecipitated p16INK4a, A301-267A was used at 0.1 μ g/ml. *Detection:* Chemiluminescence with an exposure time of 75 seconds.



Detection of human p16INK4a by immunohistochemistry.
Sample: FFPE section of human ovarian carcinoma.
Antibody: Affinity purified rabbit anti-p16INK4a (Cat. No. A301-267A lot 4) used at a dilution of 1:200 (1 μ g/ml).
Detection: DAB