



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# p16INK4a Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID AAA92554.1

Catalog No. A301-267A

GeneID 1029

Lot No. A301-267A-3



**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 – 1:500. Epitope retrieval with citrate buffer pH 6.0 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).

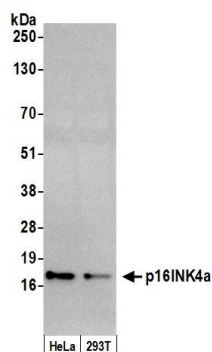
**IHC HUMAN CONTROLS** Western blot of lysates performed using standard western blot reagents and 4-12% SDS-PAGE. Ovarian Carcinoma

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

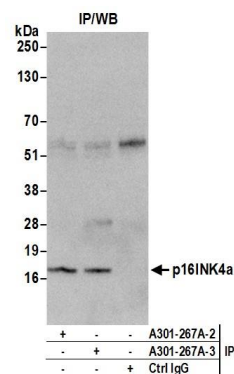
Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: [https://www.bethyl.com/content/protocol\\_IP\\_WB](https://www.bethyl.com/content/protocol_IP_WB)

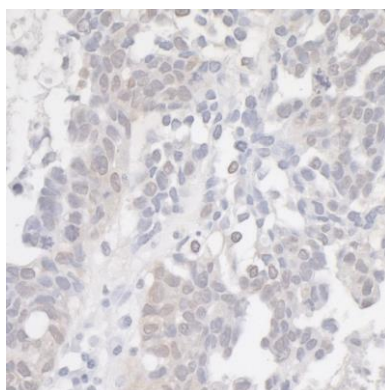
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



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



**Detection of human p16INK4a 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-p16INK4a antibody A301-267A (lot A301-267A-3) used for IP at 6 µg per reaction. p16INK4a was also immunoprecipitated by a previous lot of this antibody (lot A301-267A). For blotting immunoprecipitated p16INK4a, A301-267A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



**Detection of human p16INK4a by immunohistochemistry.**

*Sample:* FFPE section of human ovarian carcinoma.

*Antibody:* Affinity purified rabbit anti-p16INK4a (Cat. No. A301-267A Lot3) used at a dilution of 1:200 (1 µg/ml).

*Detection:* DAB