

# Desmoplakin Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP\_004406.2

Catalog No. A303-356A

GeneID 1832

Lot No. A303-356A-1



<b>APPLICATIONS</b>	IP, IHC
<b>SPECIES REACTIVITY</b>	Human
<b>AMOUNT</b>	100 µl
<b>CONCENTRATION</b>	1000 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 – 8° C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	Antibody was affinity purified using an epitope specific to Desmoplakin immobilized on solid support.

The epitope recognized by A303-356A maps to a region between residue 1900 and 1950 of human Desmoplakin using the numbering given in entry NP\_004406.2 (GeneID 1832).

Antibody 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 Not recommended

Immunoprecipitation 2 – 10 µg/mg lysate

Immunohistochemistry 1:500 – 1:2,000. 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 3-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

**IHC HUMAN CONTROLS** Prostate Carcinoma

**ADDITIONAL INFO** <https://www.bethyl.com/product/A303-356A>

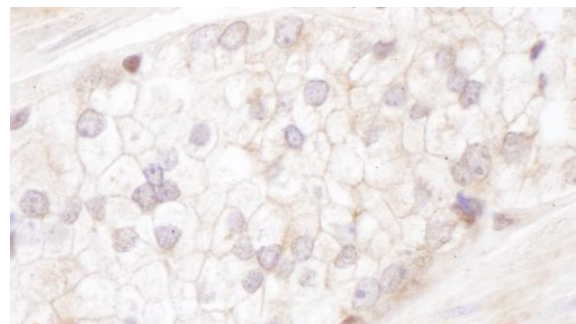
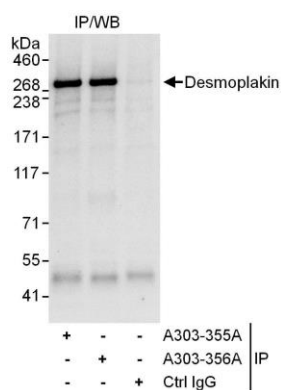
Use the link above to view SDS, a current list of citations, and other product specific information.

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 Desmoplakin 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-Desmoplakin antibody A303-356A used for IP at 6  $\mu\text{g}/\text{mg}$  lysate. Desmoplakin was also immunoprecipitated by rabbit anti-Desmoplakin antibody A303-355A, which recognizes an upstream epitope. For blotting immunoprecipitated Desmoplakin, A303-355A was used at 1  $\mu\text{g}/\text{ml}$ . *Detection:* Chemiluminescence with an exposure time of 10 seconds.

**Detection of human Desmoplakin by immunohistochemistry.** *Sample:* FFPE section of human prostate carcinoma. *Antibody:* Affinity purified rabbit anti-Desmoplakin (Cat. No. A303-356A Lot1) used at a dilution of 1:1,000 (1  $\mu\text{g}/\text{ml}$ ). *Detection:* DAB