

Sm-D3 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_004166.1

Catalog No. A303-954A

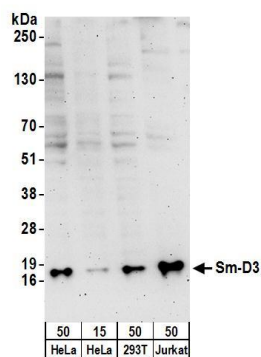
GeneID 6634

Lot No. A303-954A-1

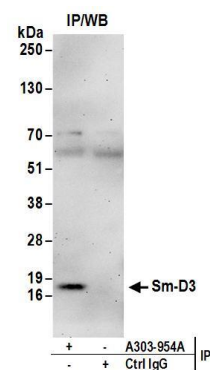


APPLICATIONS	WB, IP, IHC						
SPECIES REACTIVITY	Human, Mouse						
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with <i>X. laevis</i>						
AMOUNT	100 µl						
CONCENTRATION	1000 µg/ml						
STORAGE/SHELF LIFE	2 – 8° C / 1 year from date of receipt						
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 Sm-D3 immobilized on solid support. The epitope recognized by A303-954A maps to a region between residue 76 to 126 of human Small Nuclear Ribonucleoprotein D3 Polypeptide 18kDa using the numbering given in entry NP_004166.1 (GeneID 6634). 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. <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>1:500 – 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.</td></tr></table>	Western Blot	1:1,000 – 1:5,000	Immunoprecipitation	2 – 10 µg/mg lysate	Immunohistochemistry	1:500 – 1:2,000. Epitope retrieval with citrate buffer pH 6.0 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 4-12% 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	Breast Carcinoma, Ovarian Carcinoma, Stomach Adenocarcinoma						
IHC MOUSE CONTROLS	Hybridoma Tumor, Renal Cell Carcinoma, Teratoma						
ADDITIONAL INFO	https://www.bethyl.com/product/A303-954A 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						

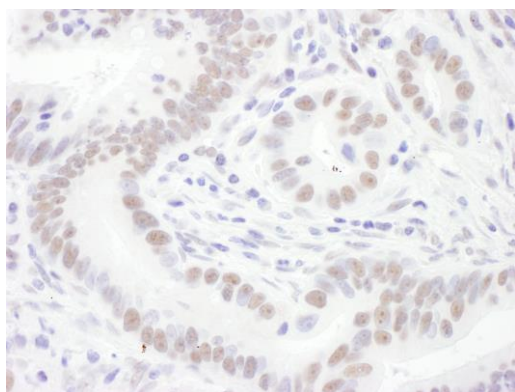
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



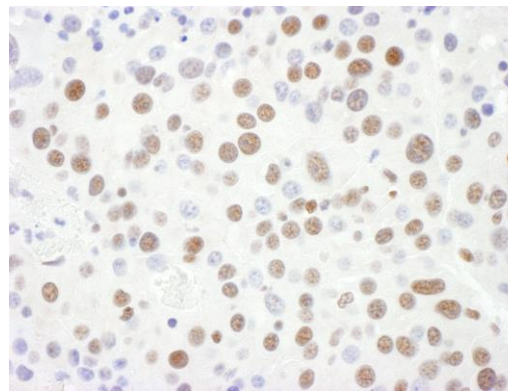
Detection of human Sm-D3 by western blot. *Samples:* Whole cell lysate from HeLa (15 and 50 µg), HEK293T (50 µg), and Jurkat (50µg) cells. *Antibodies:* Affinity purified rabbit anti-Sm-D3 antibody A303-954A (lot A303-954A-1) used for WB at 0.4 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human Sm-D3 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-Sm-D3 antibody A303-954A (lot A303-954A-1) used for IP at 6 µg/mg lysate. For blotting immunoprecipitated Sm-D3, A303-954A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human Sm-D3 by immunohistochemistry. *Sample:* FFPE section of human stomach carcinoma. *Antibody:* Affinity purified rabbit anti-Sm-D3 (Cat. No. A303-954A Lot1) used at a dilution of 1:1,000 (1 µg/ml). *Detection:* DAB



Detection of mouse Sm-D3 by immunohistochemistry. *Sample:* FFPE section of mouse renal cell carcinoma. *Antibody:* Affinity purified rabbit anti-Sm-D3 (Cat. No. A303-954A Lot1) used at a dilution of 1:1,000 (1 µg/ml). *Detection:* DAB