Septin 7 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A304-213A

Lot No. A304-213A-1

Protein ID NP_001779.3

GeneID 989

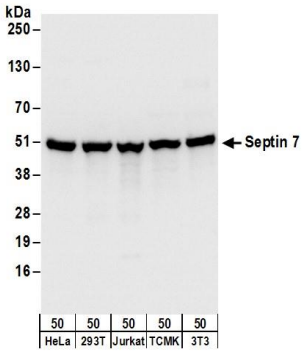
APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Rat, X. laevis, Bovine, Orangutan and Chimpanzee
AMOUNT	100 µl
CONCENTRATION	1000 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL 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 Septin 7 immobilized on solid support. The epitope recognized by A304-213A maps to a region between residue 387 to 437 of human Septin 7 using the numbering given in entry NP_001779.3 (GeneID 989). 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	1:2,000 - 1:10,000
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.

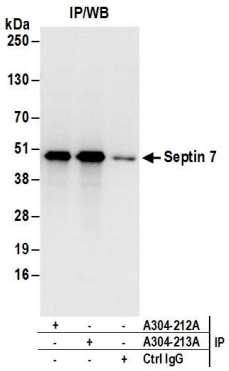
APPLICATION NOTES	Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-20% SDS-PAGE (link to IP-western blot protocol in Additional Info section below). Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.
IHC HUMAN CONTROLS	Breast Carcinoma, Colon Carcinoma, Osteosarcoma, Ovarian Carcinoma, Prostate Carcinoma
IHC MOUSE CONTROLS	Teratoma
ADDITIONAL INFO	https://www.bethyl.com/product/A304-213A 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.

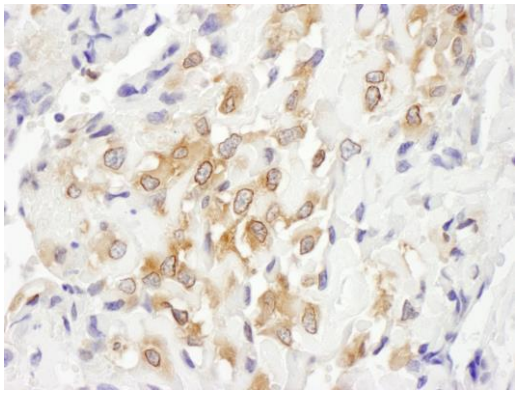
Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



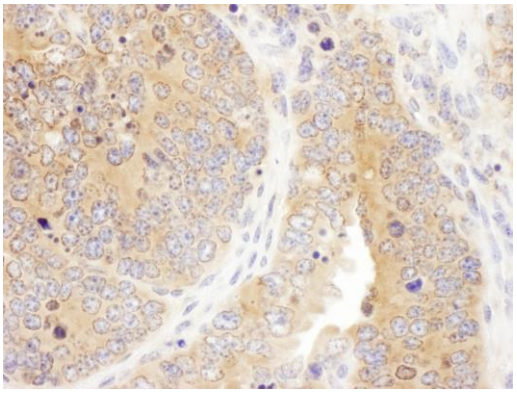
Detection of human and mouse Septin 7 by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells. *Antibodies:* Affinity purified rabbit anti-Septin 7 antibody A304-213A (lot A304-213A-1) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 1 second.



Detection of human Septin 7 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-Septin 7 antibody A304-213A (lot A304-213A-1) used for IP at 6 µg/mg lysate. Septin 7 was also immunoprecipitated by rabbit anti-Septin 7 antibody A304-212A. For blotting immunoprecipitated Septin 7, A304-213A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 1 second.



Detection of human Septin 7 by immunohistochemistry. *Sample:* FFPE section of human osteosarcoma. *Antibody:* Affinity purified rabbit anti- Septin 7 (Cat. No. A304-213A Lot1) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB



Detection of mouse Septin 7 by immunohistochemistry. *Sample:* FFPE section of mouse teratoma. *Antibody:* Affinity purified rabbit anti- Septin 7 (Cat. No. A304-213A Lot1) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB