hnRNP M3/4 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A303-910A

Lot No. A303-910A-1

Protein ID NP_005959.2

GeneID 4670

APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Rat
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 hnRNP M3/4 immobilized on solid support. The epitope recognized by A303-910A maps to a region between residue 475 and 525 of human Heterogeneous Nuclear Ribonucleoprotein M using the numbering given in entry NP_005959.2 (GeneID 4670). 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.

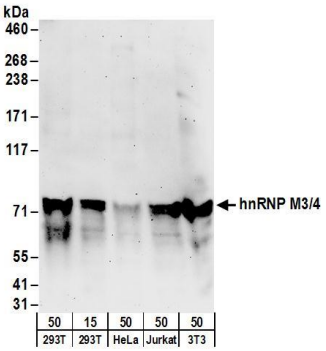
Western Blot	1:2,000 - 1:10,000
Immunoprecipitation	2 - 10 µg/mg lysate
Immunohistochemistry	1:2,000 - 1:10,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

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 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below). Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.
IHC HUMAN CONTROLS	Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma, Prostate Carcinoma, Stomach Adenocarcinoma, Testicular Seminoma
IHC MOUSE CONTROLS	Hybridoma Tumor, Renal Cell Carcinoma, Teratoma
ADDITIONAL INFO	https://www.bethyl.com/product/A303-910A 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

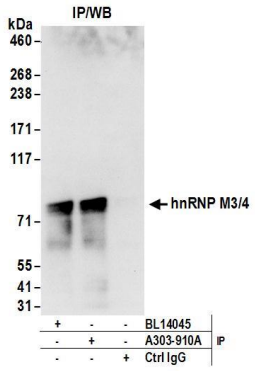
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Eric McIntush, PhD | Chief Scientific Officer

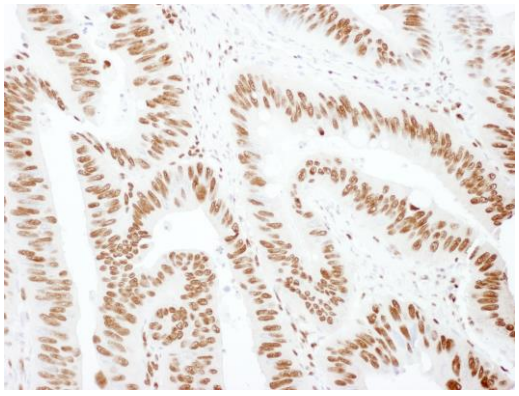
Date: June 21, 2019



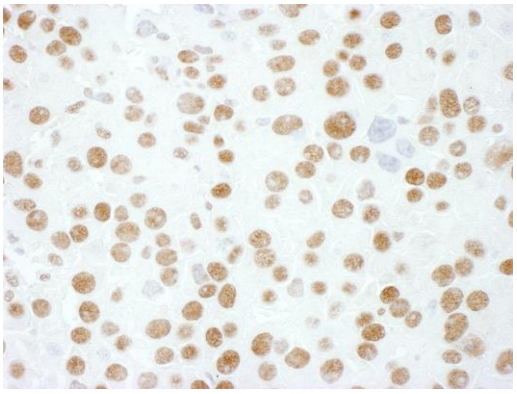
Detection of human and mouse hnRNP M3/4 by western blot. *Samples:* Whole cell lysate from HEK293T (15 and 50 µg), HeLa (50µg), Jurkat (50µg), and mouse NIH 3T3 (50µg) cells. *Antibodies:* Affinity purified rabbit anti-hnRNP M3/4 antibody A303-910A (lot A303-910A-1) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human hnRNP M3/4 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1 mg for IP; 20% of IP loaded) from HEK293T cells. *Antibodies:* Affinity purified rabbit anti-hnRNP M3/4 antibody A303-910A (lot A303-910A-1) used for IP at 6 µg/mg lysate. hnRNP M3/4 was also immunoprecipitated by rabbit anti-hnRNP M3/4 antibody BL14045. For blotting immunoprecipitated hnRNP M3/4, A303-910A was used at 0.4 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



Detection of human hnRNP M3/4 by immunohistochemistry. *Sample:* FFPE section of human colon carcinoma. *Antibody:* Affinity purified rabbit anti-hnRNP M3/4 (Cat. No. A303-910A Lot1) used at a dilution of 1:5,000 (0.2µg/ml). *Detection:* DAB



Detection of mouse hnRNP M3/4 by immunohistochemistry. *Sample:* FFPE section of mouse renal cell carcinoma. *Antibody:* Affinity purified rabbit anti-hnRNP M3/4 (Cat. No. A303-910A Lot1) used at a dilution of 1:5,000 (0.2µg/ml). *Detection:* DAB