

METTL3/MT-A70 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_062826.2

Catalog No. A301-568A

GeneID 56339

Lot No. A301-568A-1



APPLICATIONS	IP, IHC
SPECIES REACTIVITY	Human
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Mouse
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 METTL3/MT-A70 immobilized on solid support.

The epitope recognized by A301-568A maps to a region between residue 530 and 580 of human methyltransferase like 3 (N6-adenosine-methyltransferase 70 kDa subunit) using the numbering given in entry NP_062826.2 (GeneID 56339).

Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

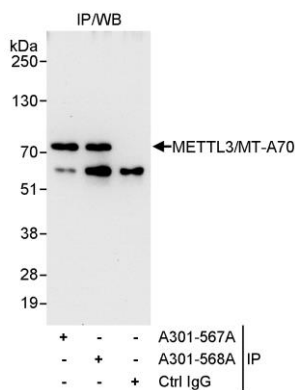
APPLICATIONS	Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.
Western Blot	Not recommended. Use rabbit anti-METTL3/MT-A70 antibody A301-567A.
Immunoprecipitation	2 – 5 µg/mg 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).

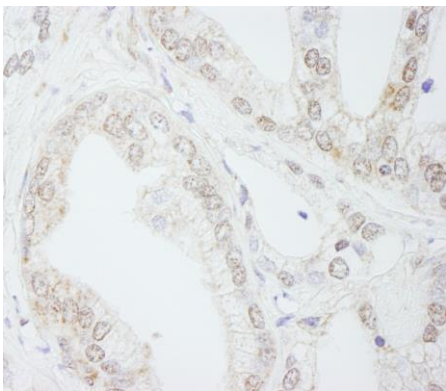
IHC HUMAN CONTROLS Breast Carcinoma, Ovarian Carcinoma, Prostate Carcinoma

ADDITIONAL INFO <https://www.bethyl.com/product/A301-568A>
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 METTL3/MT-A70 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-METTL3/MT-A70 antibody A301-568A used for IP at 3 µg/mg lysate. METTL3/MT-A70 was also immunoprecipitated by rabbit anti-METTL3/MT-A70 antibody A301-567A, which recognizes an upstream epitope. For blotting immunoprecipitated METTL3/MT-A70, A301-567A was used at 0.1 µg/ml. *Detection:* Chemiluminescence with exposure times of 30 seconds (A and B).



Detection of human METTL3/MT-A70 by immunohistochemistry. *Sample:* FFPE section of human prostate carcinoma. *Antibody:* Affinity purified rabbit anti-METTL3/MT-A70 (Cat. No. A301-568A Lot1) used at a dilution of 1:1,000 (1 µg/ml). *Detection:* DAB