

Matrin 3 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_061322.2

Catalog No. A300-590A

GeneID 9782

Lot No. A300-590A-1



APPLICATIONS	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 Matrin 3 immobilized on solid support.

The epitope recognized by A300-590A maps to a region between residues 475 and 500 of human Matrin 3 using the numbering given in entry NP_061322.2 (GeneID 9782).

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-Matrin 3 antibody A300-591A.

Immunoprecipitation 1 - 4 µg/mg lysate

Immunohistochemistry 1:1,000 - 1:5,000. 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).

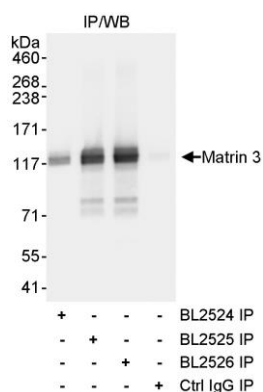
IHC HUMAN CONTROLS Breast Carcinoma, Laryngeal Squamous Cell Carcinoma, Ovarian Carcinoma, Prostate Carcinoma, Stomach Adenocarcinoma, Testicular Seminoma

IHC MOUSE CONTROLS Squamous Cell Carcinoma

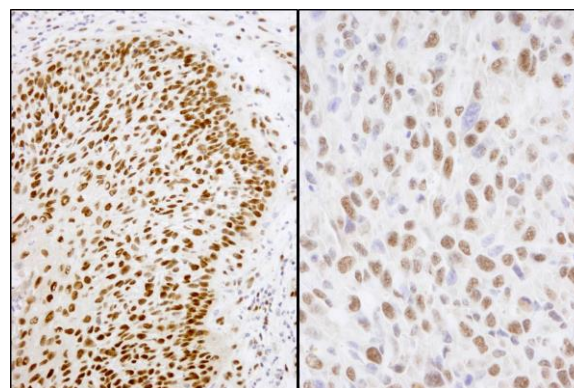
ADDITIONAL INFO <https://www.bethyl.com/product/A300-590A>

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 Matrin 3 by western blot after immunoprecipitation. *Samples:* Whole cell lysate (1 mg for IP, 1/4 of IP loaded) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-Matrin 3 antibody BL2525 (Cat. No. A300-590A) used for IP at 3 $\mu\text{g}/\text{mg}$ lysate. Matrin 3 was also immunoprecipitated using rabbit anti-Matrin 3 antibodies BL2524 and BL2526 (Cat. No. A300-591A) at 3 $\mu\text{g}/\text{mg}$ lysate. immunoprecipitatesd Matrin 3 was blotted using BL2526 at 1 $\mu\text{g}/\text{ml}$. *Detection:* Chemiluminescence with an exposure time of 3 seconds.



Detection of human and mouse Matrin 3 by immunohistochemistry. *Sample:* FFPE section of human laryngeal squamous cell carcinoma (left) and mouse squamous cell carcinoma (right). *Antibody:* Affinity purified rabbit anti- Matrin 3 (Cat. No. A300-590A Lot1) used at a dilution of 1:1,000 (1 $\mu\text{g}/\text{ml}$). *Detection:* DAB