

USP5/IsoT Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID CAA62690.1

Catalog No. A301-543A

GeneID 8078

Lot No. A301-543A-1



APPLICATIONS	IP, IHC
SPECIES REACTIVITY	Human
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Orangutan
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 USP5/IsoT immobilized on solid support.

The epitope recognized by A301-543A maps to a region between residue 375 and 425 of human ubiquitin specific peptidase 5 (isopeptidase T) using the numbering given in entry CAA62690.1 (GeneID 8078).

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

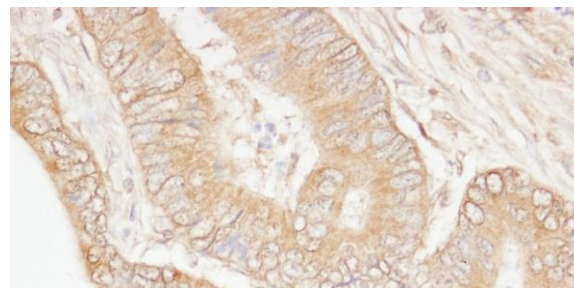
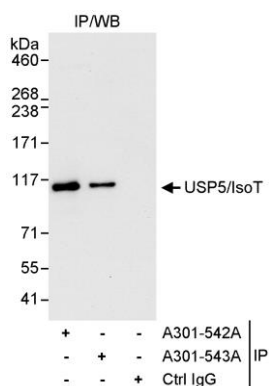
APPLICATIONS	Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.
Western Blot	Not recommended. Use rabbit anti-USP5/IsoT antibody A301-542A.
Immunoprecipitation	2 - 5 µg/mg lysate
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, Colon Carcinoma, Ovarian Carcinoma, Prostate Carcinoma

ADDITIONAL INFO <https://www.bethyl.com/product/A301-543A>
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 USP5/IsoT 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-USP5/IsoT antibody A301-543A used for IP at 3 µg/mg lysate. USP5/IsoT was also immunoprecipitated by rabbit anti-USP5/IsoT antibody A301-542A, which recognizes an upstream epitope. For blotting immunoprecipitated USP5/IsoT, A301-542A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.

Detection of human USP5/IsoT by immunohistochemistry. *Sample:* FFPE section of human colon carcinoma. *Antibody:* Affinity purified rabbit anti-USP5/IsoT (Cat. No. A301-543A Lot1) used at a dilution of 1:1,000 (1 µg/ml). *Detection:* DAB