

# USP1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP\_003359.3

Catalog No. A301-699A

GeneID 7398

Lot No. A301-699A-2



<b>APPLICATIONS</b>	IP, IHC
<b>SPECIES REACTIVITY</b>	Human
<b>PRESUMED REACTIVITY</b>	Based on 100% sequence identity, this antibody is predicted to react with Mouse, Rat and Bovine
<b>AMOUNT</b>	100 µl
<b>CONCENTRATION</b>	1000 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 - 8° C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	Antibody was affinity purified using an epitope specific to USP1 immobilized on solid support.

The epitope recognized by A301-699A maps to a region between residue 450 and 500 of human ubiquitin-specific-processing protease 1 using the numbering given in entry NP\_003359.3 (GeneID 7398).

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. A301-699A has not performed satisfactorily when used for WB of USP1 in crude preparations (e.g. whole cell lysate). This antibody can be used for WB of enriched (e.g. immunoprecipitated) sources of USP1.

Immunoprecipitation 2 - 10 µg/mg lysate

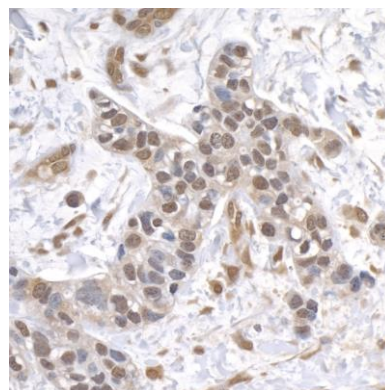
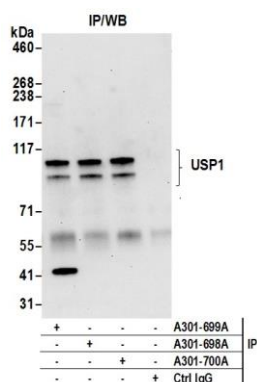
Immunohistochemistry 1:1,000 - 1:5,000. Epitope retrieval with citrate buffer pH 6.0 or Tris-EDTA pH 9.0 is recommended for FFPE tissue sections.

**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** Anaplastic Thyroid Carcinoma, Breast Carcinoma

**ADDITIONAL INFO** <https://www.bethyl.com/product/A301-699A>  
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](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 USP1 by western blot of immunoprecipitates.** *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-USP1 antibody A301-699A (lot A301-699A-2) used for IP at 6  $\mu$ g per reaction. USP1 was also immunoprecipitated by rabbit anti-USP1 antibodies A301-698A and A301-700A. For blotting immunoprecipitated USP1, A301-699A was used at 1  $\mu$ g/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.

**Detection of human USP1 by immunohistochemistry.** *Sample:* FFPE section of human breast carcinoma. *Antibody:* Affinity purified rabbit anti-USP1 (Cat. No. A301-699A Lot2) used at a dilution of 1:1,000 (1  $\mu$ g/ml). *Detection:* DAB