

# USP3 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID AAD42992.1

Catalog No. A301-541A

GeneID 9960

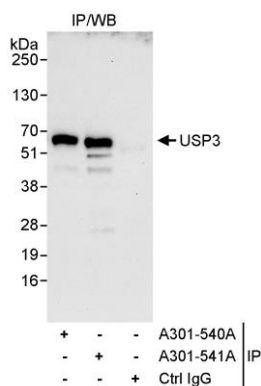
Lot No. A301-541A-1



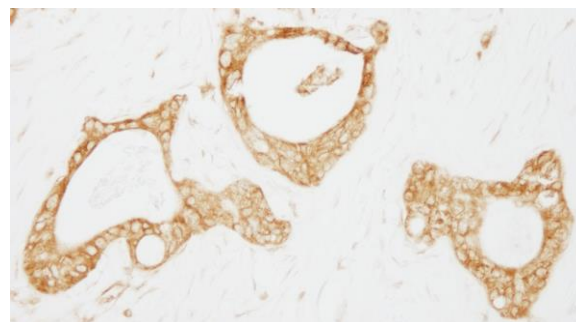
<b>APPLICATIONS</b>	IP, IHC						
<b>SPECIES REACTIVITY</b>	Human						
<b>AMOUNT</b>	100 µl						
<b>CONCENTRATION</b>	1000 µg/ml						
<b>STORAGE/SHELF LIFE</b>	2 – 8° C / 1 year from date of receipt						
<b>PHYSICAL STATE</b>	Liquid						
<b>BUFFER</b>	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide						
<b>ISOTYPE</b>	IgG						
<b>ORIGIN</b>	USA						
<b>PRODUCTION PROCEDURES</b>	<p>Antibody was affinity purified using an epitope specific to USP3 immobilized on solid support.</p> <p>The epitope recognized by A301-541A maps to a region between residue 471 and 521 of human ubiquitin specific protease 3 using the numbering given in entry AAD42992.1 (GeneID 9960).</p> <p>Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p>						
<b>APPLICATIONS</b>	<p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <table><tr><td>Western Blot</td><td>Not recommended. A301-541A has not performed satisfactorily when used for WB of USP3 in crude preparations (e.g. whole cell lysate). This antibody can be used for WB of enriched (e.g. immunoprecipitated) sources of USP3.</td></tr><tr><td>Immunoprecipitation</td><td>2 – 5 µg/mg lysate</td></tr><tr><td>Immunohistochemistry</td><td>1:1,000 – 1:5,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.</td></tr></table>	Western Blot	Not recommended. A301-541A has not performed satisfactorily when used for WB of USP3 in crude preparations (e.g. whole cell lysate). This antibody can be used for WB of enriched (e.g. immunoprecipitated) sources of USP3.	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.
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<b>APPLICATION NOTES</b>	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).						
<b>IHC HUMAN CONTROLS</b>	Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma						
<b>ADDITIONAL INFO</b>	<p><a href="https://www.bethyl.com/product/A301-541A">https://www.bethyl.com/product/A301-541A</a></p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</p> <p>IP-western blot protocol: <a href="https://www.bethyl.com/content/protocol_IP_WB">https://www.bethyl.com/content/protocol_IP_WB</a></p>						

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 USP3 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-USP3 antibody A301-541A used for IP at 3 µg/mg lysate. USP3 was also immunoprecipitated by rabbit anti-USP3 antibody A301-540A, which recognizes an upstream epitope. For blotting immunoprecipitated USP3, A301-541A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



**Detection of human USP3 by immunohistochemistry.** *Sample:* FFPE section of human ovarian carcinoma. *Antibody:* Affinity purified rabbit anti-USP3 (Cat. No. A301-541A Lot1) used at a dilution of 1:1,000 (1 µg/ml). *Detection:* DAB