

Rabbit anti-Human USP1 Polyclonal Antibody | anti-USP1 antibody

Rabbit anti-USP1 Antibody, Affinity Purified

CATALOG # AAA211594	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation
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PRODUCT SYNONYMS

USP1; Polyclonal Antibody; Rabbit anti-USP1 Antibody; Affinity Purified; ubiquitin specific processing protease 1; Ubiquitin-specific-processing protease 1; ubiquitin thiolesterase 1; ubiquitin specific protease 1; ubiquitin carboxyl-terminal hydrolase 1; hUBP; deubiquitinating enzyme 1; UBP; ubiquitin thioesterase 1; Ubiquitin carboxyl-terminal hydrolase 1; ubiquitin specific peptidase 1; anti-USP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-USP1 antibody	IP (Immunoprecipitation)
Predicted Reactivity	Mouse, Rat, Bovine
Immunogen	Between 450 and 500
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



IP (Immunoprecipitation)

Detection of human USP1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg per IP; 10% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-USP1 antibody (AAA211594 lot 3) used for IP at 6 ug per reaction. USP1 was also immunoprecipitated by a previous lot of this antibody (AAA211594 lot 2) and a second antibody against a different epitope of USP1. For blotting immunoprecipitated USP1, AAA211594 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IHC (Immunohistochemistry)

Detection of human USP1 by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-USP1 (Cat. No. AAA211594) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-USP1 antibody	Ubiquitin (Ub) is a highly conserved protein found ubiquitously in eukaryotic organisms. The conjugation of ubiquitin to proteins is an important means to regulate protein activity for many cellular processes by tagging them for degradation. Removal of Ub can rescue proteins from degradation. This is accomplished by the ubiquitin-specific processing protease (UBP) family of enzymes. Ubiquitin specific processing protease 1 (USP1) has been found to play a role in the Fanconi anemia DNA repair pathway. USP1 specifically removes monoubiquitination from the Fanconi anemia D2 (FANCD2) protein and from the proliferating cell nuclear antigen (PCNA). Deubiquitination of FANCD2 and PCNA is critical to their role in the DNA damage response and DNA crosslink repair.
Product Categories/Family for anti-USP1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GeneID	7398
UniProt Accession #	O94782
UniProt Protein Name	Ubiquitin carboxyl-terminal hydrolase 1
UniProt Gene Name	USP1
UniProt Synonym Gene Names	hUBP
UniProt Entry Name	UBP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/usp1-antibody-immunoprecipitation-elisa/211594>