


Anti-USP3 antibody ab80597

[1 References](#) [2 Images](#)

Overview

Product name	Anti-USP3 antibody
Description	Rabbit polyclonal to USP3
Host species	Rabbit
Tested applications	Suitable for: IHC-P, IP
Species reactivity	Reacts with: Human Predicted to work with: Chimpanzee, Gorilla 
Immunogen	Synthetic peptide (Human) mapped to a region between residues 471 and 521
Positive control	IP: HeLa whole cell lysate; IHC: human ovarian carcinoma
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), 0.5% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab80597 in the following tested applications.

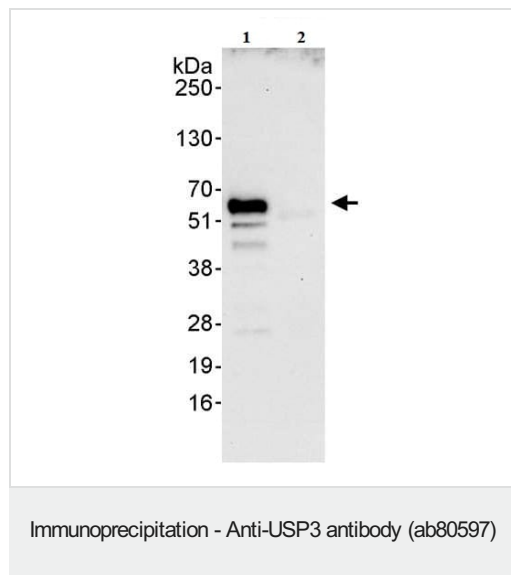
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/1000 - 1/5000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP		Use at 2-5 µg/mg of lysate.

Target

Function	Hydrolase that deubiquitinates monoubiquitinated target proteins such as histone H2A and H2B. Required for proper progression through S phase and subsequent mitotic entry. May regulate the DNA damage response (DDR) checkpoint through deubiquitination of H2A at DNA damage sites. Associates with the chromatin.
Tissue specificity	Expressed in all tissues examined, with strongest expression in pancreas.
Sequence similarities	Belongs to the peptidase C19 family. USP3 subfamily. Contains 1 UBP-type zinc finger.
Domain	Both protease activity and an intact zinc finger are required for H2A monodeubiquitination.
Cellular localization	Nucleus. Localizes preferentially with monoubiquitinated H2A to chromatin.

Images



USP3 was immunoprecipitated from HeLa whole cell lysate (1 mg per IP reaction, 20% loaded) with ab80597 at 3 µg per mg lysate. Western blot was performed on the immunoprecipitate using ab80597 at 1.0 µg/mL.

Lane 1: ab80597 IP in HeLa whole cell lysate.

Lane 2: Control IgG in HeLa whole cell lysate.

Detection: Chemiluminescence with an exposure time of 10 seconds.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human ovarian carcinoma tissue labelling USP3 with ab80597 at 1/1000 (1µg/ml). Detection: DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-USP3 antibody (ab80597)

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