

# Rabbit USP3 Polyclonal Antibody | anti-USP3 antibody

USP3 Antibody

|                               |                       |                                        |                                                                  |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA328208</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|------------------------------------------------------------------|

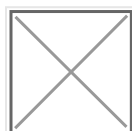
## PRODUCT SYNONYMS

USP3; Polyclonal Antibody; USP3 Antibody; Deubiquitinating enzyme 3; EC 3.1.2.15; SIH003; Ubiquitin carboxyl-terminal hydrolase 3; Ubiquitin specific peptidase 3; Ubiquitin specific processing protease 3; Ubiquitin Specific Protease 3; Ubiquitin thioesterase 3; Ubiquitin thiolesterase 3; Ubiquitin-specific-processing protease 3; UBP; UBP3\_HUMAN; Usp3; anti-USP3 antibody

## PRODUCT SPECIFICATIONS

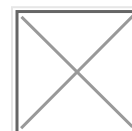
|                                                |                                                                                                 |
|------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                          |
| Reactivity                                     | Human, Mouse, Rat                                                                               |
| Clonality                                      | Polyclonal                                                                                      |
| Isotype                                        | IgG                                                                                             |
| Specificity                                    | USP3 antibody detects endogenous levels of total USP3                                           |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.   |
| Form/Format                                    | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.   |
| Concentration                                  | 1mg/ml (varies by lot)                                                                          |
| Sequence Length                                | 476                                                                                             |
| Applicable Applications for anti-USP3 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                            |
| Immunogen                                      | A synthesized peptide derived from human USP3                                                   |
| Subcellular Location                           | Nucleus. Localizes preferentially with monoubiquitinated H2A to chromatin.                      |
| Tissue Specificity                             | Expressed in all tissues examined, with strongest expression in pancreas.                       |
| Predicted Cross Reactivity                     | <b>Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus</b>                                          |
| Similarity                                     | Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (82%) |
| Conjugation                                    | Unconjugated                                                                                    |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                               |

## IMAGES



### IHC (Immunohistochemistry)

AAA328208 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



### WB (Western Blot)

Western blot analysis USP3 using HeLa whole cell lysates

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-USP3 antibody | 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.<br>Subunit Structure: Interacts (via UBP-type domain) with H2A; the interaction is less efficient than with monoubiquitinated H2A.<br>Similarity: Both protease activity and an intact zinc finger are required for H2A monodeubiquitination. Belongs to the peptidase C19 family. USP3 subfamily. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| NCBI GI #                        | 375493565                                         |
| NCBI GeneID                      | 9960                                              |
| NCBI Accession #                 | NP_001243631.1                                    |
| NCBI GenBank Nucleotide #        | NM_001256702.1                                    |
| UniProt Accession #              | Q9Y6I4; Q8WVD0; B4DVU5; F5H1A6                    |
| Molecular Weight                 | Observed: 39 kDa<br>Predicted: 59 kDa             |
| NCBI Official Full Name          | ubiquitin carboxyl-terminal hydrolase 3 isoform 2 |
| NCBI Official Synonym Full Names | ubiquitin specific peptidase 3                    |
| NCBI Official Symbol             | USP3                                              |
| NCBI Official Synonym Symbols    | UBP; SIH003                                       |
| NCBI Protein Information         | ubiquitin carboxyl-terminal hydrolase 3           |
| UniProt Protein Name             | Ubiquitin carboxyl-terminal hydrolase 3           |
| UniProt Gene Name                | USP3                                              |

**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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/usp3-antibody-immunohistochemistry-western-blot-elisa/328208>