

## Rabbit anti-Human, Mouse USP4 Polyclonal Antibody | anti-USP4 antibody

USP4 Rabbit pAb

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                          |
|-----------|--------|--------------|-------------------------------------------------------|
| AAA282392 | Rabbit | Human, Mouse | Immunocytochemistry, Immunofluorescence, Western Blot |

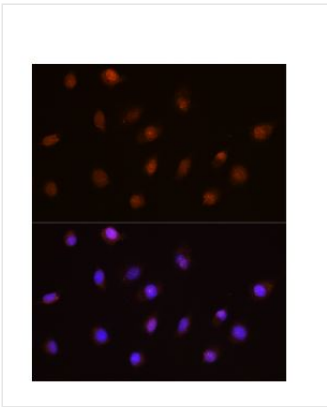
### PRODUCT SYNONYMS

USP4; Polyclonal Antibody; USP4 Rabbit pAb; UNP; Unph; anti-USP4 antibody

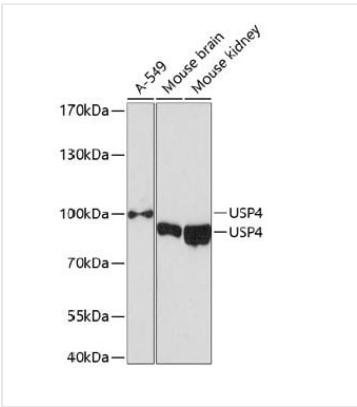
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                              |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                       |
| Reactivity                                     | Human, Mouse                                                                                                                                                 |
| Clonality                                      | Polyclonal                                                                                                                                                   |
| Isotype                                        | IgG                                                                                                                                                          |
| Purity/Purification                            | Affinity purification                                                                                                                                        |
| Form/Format                                    | Liquid<br>PBS with 0.01% thimerosal, 50% glycerol, pH7.3.                                                                                                    |
| Sequence                                       | DDIFVYEVCS TSVDGSECVT LPVYFRERKS RPSSTSSASA LYGQPLLSV PKHKLTLESL YQAVCDRISR<br>YVKQPLPDEF GSSPLEPGAC NGSRNSCEGE DEEEMHQEE GKEQLSETEG SGEDEPGNDP SETTQKKIKG Q |
| Applicable Applications for anti-USP4 antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                                                                        |
| Cellular Location                              | Cytoplasm, Nucleus                                                                                                                                           |
| Research Area                                  | Epigenetics Nuclear Signaling, Cell Biology Developmental Biology, Ubiquitin                                                                                 |
| Immunogen                                      | Recombinant fusion protein containing a sequence corresponding to amino acids 560-700 of human USP4 (NP_003354.2).                                           |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze/thaw cycles.<br>Ship: Ice Pack                                                                                           |

IMAGES



**IF (Immunofluorescence)**  
Immunofluorescence analysis of L929 cells using USP4 Rabbit pAb (AAA282392) at dilution of 1:100. Blue: DAPI for nuclear staining.



**WB (Western Blot)**  
Western blot analysis of extracts of various cell lines, using USP4 antibody (AAA282392) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-USP4 antibody | The protein encoded by this gene is a protease that deubiquitinates target proteins such as ADORA2A and TRIM21. The encoded protein shuttles between the nucleus and cytoplasm and is involved in maintaining operational fidelity in the endoplasmic reticulum. Three transcript variants encoding different isoforms have been found for this gene. |
| Product Categories/Family for anti-USP4 antibody   | <a href="#">Polyclonal Antibodies</a>                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 353523825                                                                                                                                                                                                                                                       |
| NCBI GeneID                      | 7375                                                                                                                                                                                                                                                            |
| NCBI Accession #                 | <a href="#">NP_001238806.1</a>                                                                                                                                                                                                                                  |
| NCBI GenBank Nucleotide #        | <a href="#">NM_001251877.1</a>                                                                                                                                                                                                                                  |
| UniProt Accession #              | <a href="#">Q13107</a> ; <a href="#">O43452</a> ; <a href="#">O43453</a> ; <a href="#">Q08AK8</a> ; <a href="#">A8K6Y0</a> ; <a href="#">C9IY91</a>                                                                                                             |
| Molecular Weight                 | 35,661 Da                                                                                                                                                                                                                                                       |
| NCBI Official Full Name          | ubiquitin carboxyl-terminal hydrolase 4 isoform c                                                                                                                                                                                                               |
| NCBI Official Synonym Full Names | ubiquitin specific peptidase 4 (proto-oncogene)                                                                                                                                                                                                                 |
| NCBI Official Symbol             | USP4                                                                                                                                                                                                                                                            |
| NCBI Official Synonym Symbols    | UNP; Unph                                                                                                                                                                                                                                                       |
| NCBI Protein Information         | ubiquitin carboxyl-terminal hydrolase 4; deubiquitinating enzyme 4; ubiquitin carboxyl-terminal esterase 4; ubiquitin specific protease 4 (proto-oncogene); ubiquitin thioesterase 4; ubiquitin thiolesterase 4; ubiquitin-specific processing protease 4; ubiq |
| UniProt Protein Name             | Ubiquitin carboxyl-terminal hydrolase 4                                                                                                                                                                                                                         |
| UniProt Gene Name                | <b>USP4</b>                                                                                                                                                                                                                                                     |
| UniProt Synonym Gene Names       | UNP; UNPH                                                                                                                                                                                                                                                       |
| UniProt Entry Name               | UBP4_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/usp4-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282392>