

## Rabbit anti-Human, Mouse USP2 Polyclonal Antibody | anti-USP2 antibody

USP2 Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                            |
|-----------|--------|--------------|-----------------------------------------|
| AAA231310 | Rabbit | Human, Mouse | Immunofluorescence, Western Blot, ELISA |

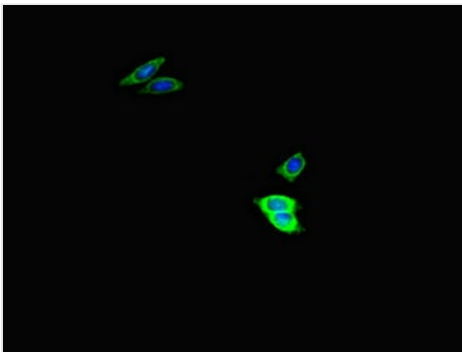
### PRODUCT SYNONYMS

USP2; Polyclonal Antibody; USP2 Antibody; Ubiquitin carboxyl-terminal hydrolase 2; 41 kDa ubiquitin-specific protease; Deubiquitinating enzyme 2; Ubiquitin thioesterase 2; Ubiquitin-specific-processing; UBP41; anti-USP2 antibody

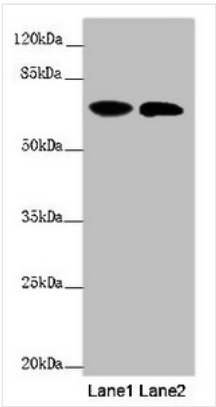
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                 |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                          |
| Reactivity                                     | Human, Mouse                                                                                                    |
| Clonality                                      | Polyclonal                                                                                                      |
| Isotype                                        | IgG                                                                                                             |
| Purity/Purification                            | >95%, Protein G purified                                                                                        |
| Form/Format                                    | Liquid                                                                                                          |
| Sequence Length                                | 362                                                                                                             |
| Applicable Applications for anti-USP2 antibody | IF (Immunofluorescence), WB (Western Blot), ELISA                                                               |
| Species                                        | Human                                                                                                           |
| Immunogen                                      | Recombinant human Ubiquitin carboxyl-terminal hydrolase 2 protein                                               |
| Conjugate                                      | Non-conjugated                                                                                                  |
| Buffer                                         | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, PH 7.4                                |
| Santa Cruz Alternative                         | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-79300 / sc-79301 / sc-79302 / sc-135282 |
| Preparation and Storage                        | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.  |

IMAGES



**IF (Immunofluorescence)**  
Immunofluorescent analysis of HepG2 cells using AAA231310 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



**WB (Western Blot)**  
Western blotAll lanes :USP2 antibody at 2 ug/mL Lane 1 : Mouse liver tissue Lane 2 : Hela whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 69,41,42,46 kDa Observed band size: 68 kDa

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-USP2 antibody | Hydrolase that deubiquitinates polyubiquitinated target proteins such as MDM2, MDM4 and CCND1. Isoform 1 and isoform 4 possess both ubiquitin-specific peptidase and isopeptidase activities. Deubiquitinates MDM2 without reversing MDM2-mediated p53/TP53 ubiquitination and thus indirectly promotes p53/TP53 degradation and limits p53 activity. Has no deubiquitinase activity against p53/TP53. Prevents MDM2-mediated degradation of MDM4. Plays a role in the G1/S cell-cycle progression in normal and cancer cells. Plays a role in the regulation of myogenic differentiation of embryonic muscle cells. Regulates the circadian clock by modulating its intrinsic circadian rhythm and its capacity to respond to external cues. Associates with clock proteins and deubiquitinates core clock component PER1 but does not affect its overall stability. Regulates the nucleocytoplasmic shuttling and nuclear retention of PER1 and its repressive role on the clock transcription factors CLOCK and ARNTL/BMAL1 (By similarity). |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 344313155                                              |
| NCBI GeneID                      | 9099                                                   |
| NCBI Accession #                 | NP_001230688.1                                         |
| NCBI GenBank Nucleotide #        | NM_001243759.1                                         |
| UniProt Accession #              | O75604; Q8IUM2; Q8IW04; Q96MB9; Q9BQ21; B0YJB8; E9PPM2 |
| Molecular Weight                 | 45,241 Da                                              |
| NCBI Official Full Name          | ubiquitin carboxyl-terminal hydrolase 2 isoform c      |
| NCBI Official Synonym Full Names | ubiquitin specific peptidase 2                         |
| NCBI Official Symbol             | USP2                                                   |
| NCBI Official Synonym Symbols    | USP9; UBP41                                            |
| NCBI Protein Information         | ubiquitin carboxyl-terminal hydrolase 2                |
| UniProt Protein Name             | Ubiquitin carboxyl-terminal hydrolase 2                |
| UniProt Gene Name                | USP2                                                   |
| UniProt Synonym Gene Names       | UBP41                                                  |
| UniProt Entry Name               | UBP2_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](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/polyclonal/usp2-antibody-immunofluorescence-western-blot-elisa/231310>