

## Rabbit USP7 Polyclonal Antibody | anti-USP7 antibody

USP7 antibody - middle region

| CATALOG # | HOST   | REACTIVITY                                                                                                                                             | APPLICATIONS        |
|-----------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| AAA200896 | Rabbit | <b>Tested Species Reactivity:</b> Human, Rat<br><b>Predicted Species Reactivity:</b> Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish | <b>Western Blot</b> |

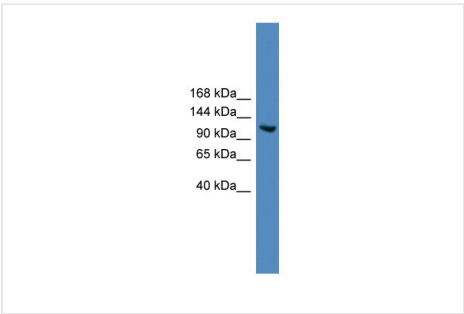
### PRODUCT SYNONYMS

USP7; Polyclonal Antibody; USP7 antibody - middle region; TEF1; HAUSP; HAFOUS; anti-USP7 antibody

### PRODUCT SPECIFICATIONS

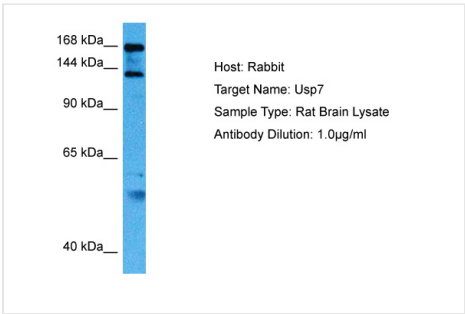
|                                                |                                                                                                                                                                                                                                                                       |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                     | <b>Tested Species Reactivity:</b> Human, Rat<br><b>Predicted Species Reactivity:</b> Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish                                                                                                                |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                            |
| Purity/Purification                            | Affinity Purified                                                                                                                                                                                                                                                     |
| Form/Format                                    | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                                                                                                                                     |
| Concentration                                  | 0.5 mg/ml (varies by lot)                                                                                                                                                                                                                                             |
| Sequence                                       | Synthetic peptide with the following region: RV LLDNVENKMK GTCVEGTIPK LFRGKMVSYI<br>QCKEVDYRSD RREDYYDI                                                                                                                                                               |
| Sequence Length                                | 1102                                                                                                                                                                                                                                                                  |
| Applicable Applications for anti-USP7 antibody | WB (Western Blot)                                                                                                                                                                                                                                                     |
| Homology                                       | Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 100%; Zebrafish: 85%                                                                                                                                                 |
| Immunogen                                      | The immunogen is a synthetic peptide directed towards the middle region of human USP7                                                                                                                                                                                 |
| Protein Size (# AA)                            | 1102 amino acids                                                                                                                                                                                                                                                      |
| Protein Interactions                           | UBC; TP53; CHFR; RNF220; TPP1; FAM175B; HUWE1; PEPD; XPC; SUMO2; IKBKG; SHFM1; RB1; SUMO1;<br>RPA3; RPA2; RPA1; PTEN; EED; ABL1; RNF2; MMS19; PPP6C; FKBP5; PPP6R3; CDC37; OGFR; COPS6;<br>MAGED2; TRAP1; MCMBP; CLK3; UHRF1; PPARG; RNF11; KAT5; SOX2; LOC576779; HD |
| Blocking Peptide                               | For anti-USP7 antibody is Catalog #                                                                                                                                                                                                                                   |
| Preparation and Storage                        | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                                                                                                 |

IMAGES



WB (Western Blot)

WB Suggested Anti-USP7 Antibody Titration: 0.2-1 ug/ml  
ELISA Titer: 1:62500  
Positive Control: A549 cell lysate



WB (Western Blot)

Host: Rat  
Target Name: USP7  
Sample Tissue: Rat Brain  
Antibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-USP7 antibody | <p>This is a rabbit polyclonal antibody against USP7. It was validated on Western Blot</p> <p>Target Description: USP7 is a hydrolase that deubiquitinates target proteins such as FOXO4, TP53, MDM2, PTEN and DAXX. Together with DAXX, USP7 prevents MDM2 self-ubiquitination and enhances the E3 ligase activity of MDM2 towards TP53, thereby promoting TP53 ubiquitination and proteasomal degradation. USP7 deubiquitinates TP53 and MDM2 and strongly stabilizes TP53 even in the presence of excess MDM2, and also induces TP53-dependent cell growth repression and apoptosis. Deubiquitination of FOXO4 in presence of hydrogen peroxide is not dependent on TP53 and inhibits FOXO4-induced transcriptional activity. In association with DAXX, USP7 is involved in the deubiquitination and translocation of PTEN from the nucleus to the cytoplasm, both processes that are counteracted by PML. USP7 is involved in cell proliferation during early embryonic development. USP7 contributes to the overall stabilization and trans-activation capability of the herpesvirus 1 trans-acting transcriptional protein ICP0/VMW110 during HSV-1 infection.</p> |
| Product Categories/Family for anti-USP7 antibody   | <p>Polyclonal; <a href="#">Transcription Regulation</a>; <a href="#">Cell Biology</a>; <a href="#">E3 &amp; Ubiquitin</a>; <a href="#">Transcription Factors</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| NCBI GI #                        | <a href="#">150378533</a>                         |
| NCBI GeneID                      | <a href="#">7874</a>                              |
| NCBI Accession #                 | <a href="#">NP_003461</a>                         |
| NCBI GenBank Nucleotide #        | <a href="#">NM_003470</a>                         |
| UniProt Accession #              | <a href="#">Q93009</a>                            |
| Molecular Weight                 | 128kDa                                            |
| NCBI Official Full Name          | ubiquitin carboxyl-terminal hydrolase 7 isoform 1 |
| NCBI Official Synonym Full Names | ubiquitin specific peptidase 7                    |
| NCBI Official Symbol             | USP7                                              |
| NCBI Official Synonym Symbols    | TEF1; HAUSP                                       |
| NCBI Protein Information         | ubiquitin carboxyl-terminal hydrolase 7           |
| UniProt Protein Name             | Ubiquitin carboxyl-terminal hydrolase 7           |
| UniProt Gene Name                | <b>USP7</b>                                       |
| UniProt Synonym Gene Names       | HAUSP                                             |
| UniProt Entry Name               | UBP7_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/usp7-antibody-western-blot-elisa/200896>