



## Datasheet for ABIN5693267 anti-USP7 antibody (AA 258-483)

4 Images



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### Overview

Quantity: 100 µg

Target: USP7

Binding Specificity: AA 258-483

Reactivity: Human, Mouse, Rat

Host: Rabbit

Clonality: Polyclonal

Application: Western Blotting (WB), Immunohistochemistry (IHC), ELISA

### Product Details

Brand: Picoband™

Immunogen: E. coli-derived human HAUSP/USP7 recombinant protein (Position: L258-D483).

Cross-Reactivity (Details): No cross reactivity with other proteins.

Characteristics: Rabbit IgG polyclonal antibody for HAUSP/USP7 detection. Tested with WB, IHC-P, Direct ELISA in Human, Mouse, Rat.

### Target Details

Target: USP7

Alternative Name: USP7 ([USP7 Products](#))

Background: Synonyms: Ubiquitin carboxyl-terminal hydrolase 7

Tissue Specificity: Widely expressed. Overexpressed in prostate cancer.

Background: Ubiquitin-specific-processing protease 7 (USP7), also known as ubiquitin carboxyl-

## Target Details

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terminal hydrolase 7 or herpesvirus-associated ubiquitin-specific protease (HAUSP), is an enzyme that in humans is encoded by the USP7 gene. The protein encoded by this gene belongs to the peptidase C19 family, which includes ubiquitinyl hydrolases. This protein deubiquitinates target proteins such as p53 (a tumor suppressor protein) and WASH (essential for endosomal protein recycling), and regulates their activities by counteracting the opposing ubiquitin ligase activity of proteins such as HDM2 and TRIM27, involved in the respective process. Mutations in this gene have been implicated in a neurodevelopmental disorder.

UniProt:

[Q93009](#)

## Application Details

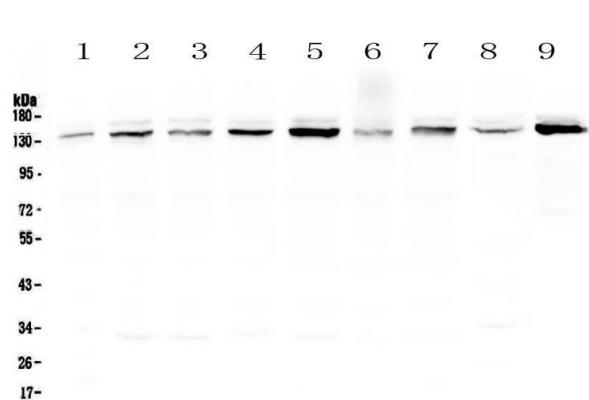
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Application Notes:	Recommended Detection Systems: Enhanced Chemiluminescent Kit with anti-Rabbit IgG (ABIN921124) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Application Details:	Western blot, 0.1-0.5 µg/mL Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/mL Direct ELISA, 0.1-0.5 µg/mL
Restrictions:	For Research Use only

## Handling

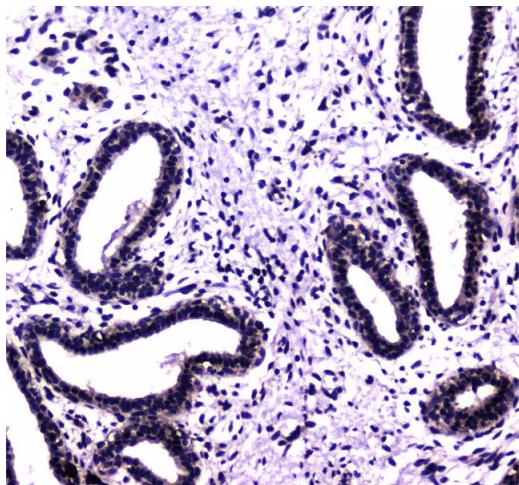
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Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg NaN <sub>3</sub> .
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.



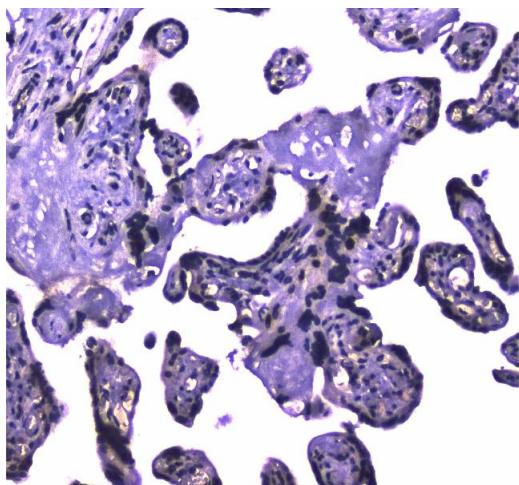
### Western Blotting

**Image 1.** Western blot analysis of HAUSP/USP7 using anti-HAUSP/USP7 antibody . Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each Lane was loaded with 50ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human 22RV1 whole cell lysates, Lane 3: human A431 whole cell lysates, Lane 4: human HepG2 whole cell lysates, Lane 5: human HepG2 whole cell lysates, Lane 6: human SGC-7901 whole cell lysates, Lane 7: human A549 whole cell lysates, Lane 8: rat brain tissue lysates, Lane 9: mouse testis tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-HAUSP/USP7 antigen affinity purified polyclonal antibody (Catalog # ) at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for HAUSP/USP7 at approximately 140KD. The expected band size for HAUSP/USP7 is at 128KD.



#### Immunohistochemistry

**Image 2.** IHC analysis of HAUSP/USP7 using anti-HAUSP/USP7 antibody . HAUSP/USP7 was detected in paraffin-embedded section of human mammary cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 $\mu$ g/ml rabbit anti-HAUSP/USP7 Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.



#### Immunohistochemistry

**Image 3.** IHC analysis of HAUSP/USP7 using anti-HAUSP/USP7 antibody . HAUSP/USP7 was detected in paraffin-embedded section of human placenta tissue . Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 $\mu$ g/ml rabbit anti-HAUSP/USP7 Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5693267.