

# Anti-USP7 Antibody

**CATALOG NO.:** A2214-100 (100 µl)

**BACKGROUND DESCRIPTION:** 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.

**ALTERNATE NAMES:** TEF1, HAUSP, HAFOUS, EC 3.4.19.12, EC 3.1.2.15, Ubiquitin thioesterase 7, Ubiquitin-specific-processing protease 7, Deubiquitinating enzyme 7

**ANTIBODY TYPE:** Polyclonal

**CONCENTRATION:** 1 mg/ml

**HOST/ISOTYPE:** Rabbit / IgG

**IMMUNOGEN:** Recombinant full length protein of human USP7

**MOLECULAR WEIGHT:** 140 kDa

**PURIFICATION:** Affinity purified

**FORM:** Liquid

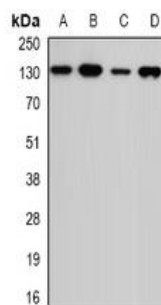
**FORMULATION:** In 0.42% Potassium phosphate; 0.87% NaCl; pH 7.3; 30% glycerol; and 0.01% sodium azide

**SPECIES REACTIVITY:** Human, Mouse, Rat

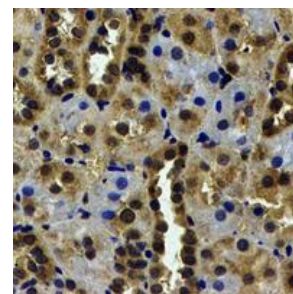
**STORAGE CONDITIONS:** Store at -20°C. Avoid freeze/thaw cycles

**APPLICATIONS AND USAGE:** WB (1:500 - 1:2000), IHC (1:50 - 1:200), IF (1:50 - 1:100)

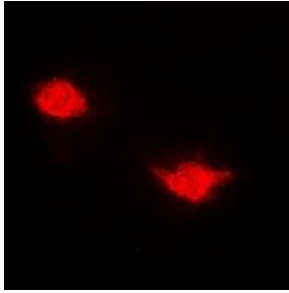
**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user



Western blot analysis of MCF7 (A), Jurkat (B), mouse spleen (C), mouse testis (D) whole cell lysates using Anti-USP7 antibody.



Immunohistochemical analysis of paraffin embedded formalin fixed human kidney tissue using Anti-USP7 antibody. The tissue section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0), then incubated with the antibody at RT. HRP conjugated compact polymer system was used for detection. DAB was used as the chromogen whereas hematoxylin was used to counterstain the tissue. The section was mounted with DPX.



Immunofluorescent analysis of HELA cells using Anti-USP7 antibody. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS, blocked with 3% BSA-PBS at RT, and incubated overnight at 4OC with primary antibody. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) at RT in the dark. DAPI was used to stain the cell nuclei (blue).

**RELATED PRODUCTS:**

Anti-NFkB p65 Rabbit Monoclonal Antibody (A1591)

HdmX/MDM4 Antibody (3762)

Anti-p53 Antibody (56F12-2) (A1581)

Anti-USP2 Antibody (A2146)

***FOR RESEARCH USE ONLY! Not to be used on humans.***