

**Product Name: USP7 Mouse Monoclonal Antibody**  
**Catalog #: AMM82783**



## Summary

<b>Production Name</b>	USP7 Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,ICC,FC,ELISA
<b>Reactivity</b>	Human, Mouse, Rat, Monkey

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG2b
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	USP7
<b>Alternative Names</b>	TEF1; HAUSP; HAFOUS
<b>Gene ID</b>	7874.0
<b>SwissProt ID</b>	Q93009.Purified recombinant fragment of human USP7 (AA: 1-208) expressed in E. Coli.

## Application

<b>Dilution Ratio</b>	WB:1:500-1:2000,IHC:1:200-1:1000,ICC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000
<b>Molecular Weight</b>	128kDa

## Background

The protein encoded by this gene belongs to the peptidase C19 family, which includes ubiquitinyl hydrolases. This protein

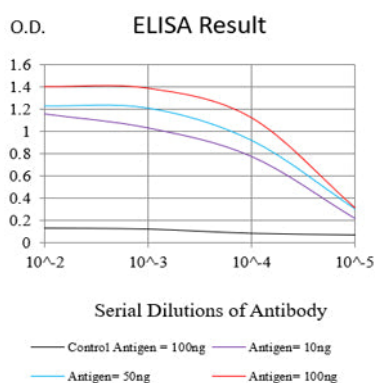
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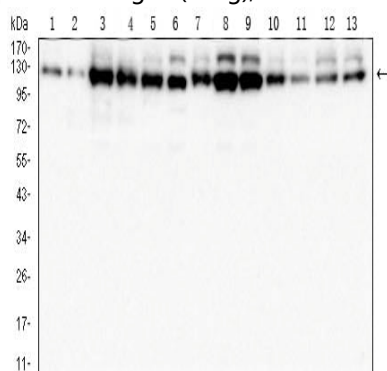
deubiquitinates target proteins such as p53 (a tumor suppressor protein) and WASH (essential for endosomal protein recycling), and regulates their activities by counteracting the opposing ubiquitin ligase activity of proteins such as HDM2 and TRIM27, involved in the respective process. Mutations in this gene have been implicated in a neurodevelopmental disorder. [provided by RefSeq, Mar 2016]

## Research Area

## Image Data

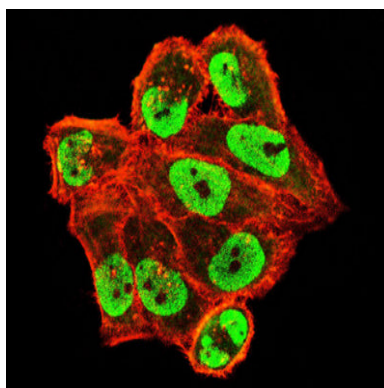


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

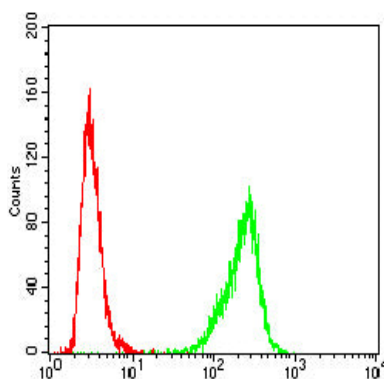


Western blot analysis using USP7 mouse mAb against Hela (1), A431 (2), MCF-7 (3), Jurkat (4), K562 (5), HepG2 (6), A549 (7), HCT116 (8), HT-29 (9), SW480 (10), C6 (11), COS-7 (12), and NIH/3T3 (13) cell lysate.

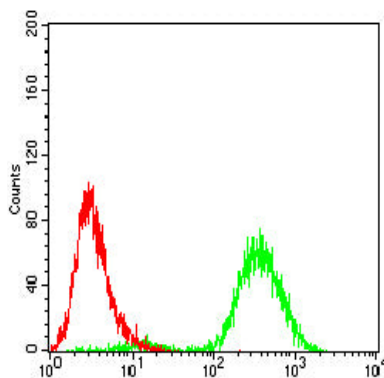
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Immunofluorescence analysis of HeLa cells using mouse USP7 mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

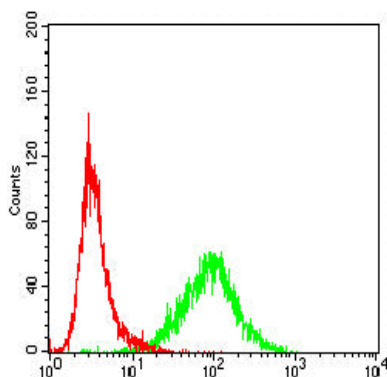


Flow cytometric analysis of HeLa cells using USP7 mouse mAb (green) and negative control (red).

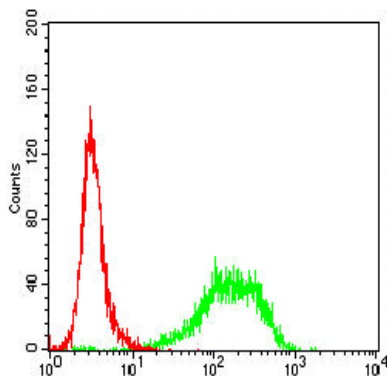


Flow cytometric analysis of HepG2 cells using USP7 mouse mAb (green) and negative control (red).

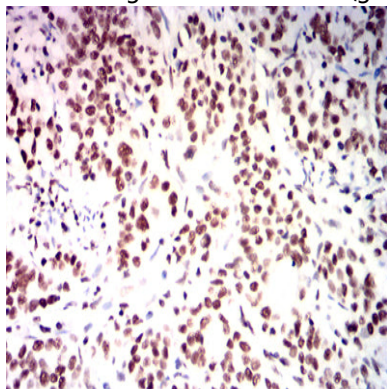
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Flow cytometric analysis of Jurkat cells using USP7 mouse mAb (green) and negative control (red).



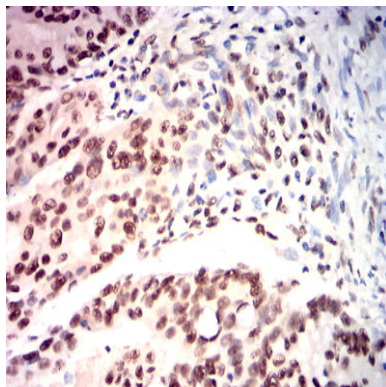
Flow cytometric analysis of K562 cells using USP7 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human cervical carcinoma tissues using USP7 mouse mAb with DAB staining.

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Immunohistochemical analysis of paraffin-embedded human rectal cancer tissues using USP7 mouse mAb with DAB staining.

**Note**

For research use only.