

USP7 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2251
Host	Mouse
Isotype	Mouse IgG2b
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human USP7 (AA:1-208) expressed in E. Coli.
Mol wt	128kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	TEF1;HAUSP;HAFOUS

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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. [provided by RefSeq, Mar 2016]

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

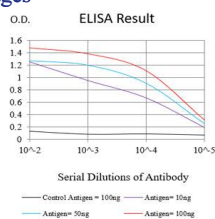
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

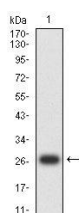
ELISA: 1:10000

Not yet tested in other applications.

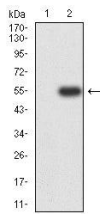
Images



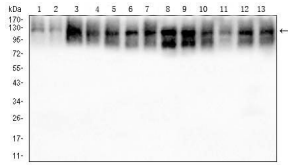
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



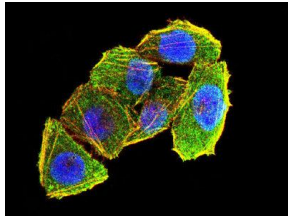
Western blot analysis using USP7 mAb against human USP7 (AA: 1-208) recombinant protein. (Expected MW is 27 kDa)



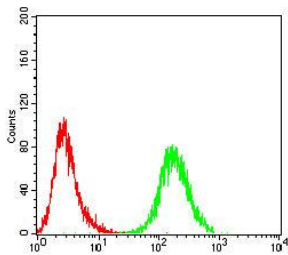
Western blot analysis using USP7 mAb against HEK293 (1) and human USP7 (AA:1-208)-hIgGFc transfected HEK293-6e (2) cell lysate.



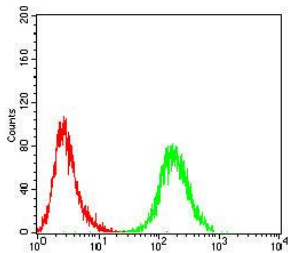
Western blot analysis using USP7 mouse mAb against HeLa (1), A431 (2), MCF-7 (3), Jurkat (4), K562 (5), HepG2 (6), A549 (7), HCT116 (8), HT-29 (9), SW480 (10), C6 (11), COS-7 (12), and NIH/3T3 (13) cell lysate.



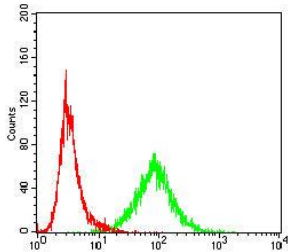
Immunofluorescence analysis of HeLa cells using USP7 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



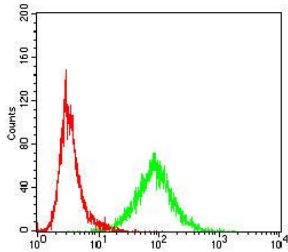
Flow cytometric analysis of HeLa cells using USP7 mouse mAb (green) and negative control (red).



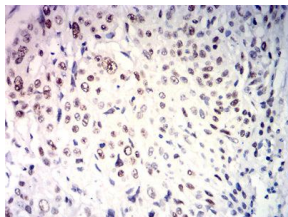
Flow cytometric analysis of HepG2 cells using USP7 mouse mAb (green) and negative control (red).



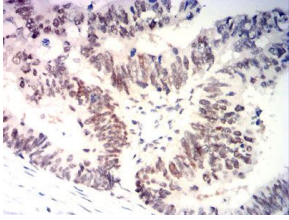
Flow cytometric analysis of Jurkat cells using USP7 mouse mAb (green) and negative control (red).



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



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



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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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