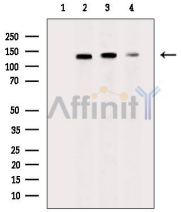
Affinity Biosciences
website:www.affbiotech.com
order:order@affbiotech.com

USP7 Ab

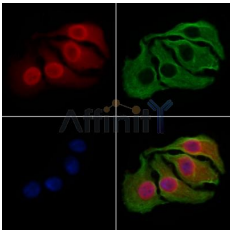
Images(3)

Cat.#: DF6931	Concn.: ~1mg/ml	Mol.Wt.: 130kDa
Size:	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:20-1:50 *The optimal dilutions should be determined by the end user.
Reactivity:	Human,Mouse,Rat
Storage:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Immunogen:	A synthesized peptide derived from human USP7, corresponding to a region within the internal amino acids.
Uniprot:	Q93009
Description:	Ubiquitinating enzymes (UBEs) catalyze protein ubiquitination, a reversible process countered by deubiquitinating enzyme (DUB) action (1,2). Five DUB subfamilies are recognized, including the USP, UCH, OTU, MJD and JAMM enzymes. Herpesvirus-associated ubiquitin-specific protease (HAUSP, USP7) is an important deubiquitinase belonging to USP subfamily. A key HAUSP function is to bind and deubiquitinate the p53 transcription factor and an associated regulator protein Mdm2, thereby stabilizing both proteins (3,4). In addition to regulating essential components of the p53 pathway, HAUSP also modifies other ubiquitinylated proteins such as members of the FoxO family of forkhead transcription factors and the mitotic stress checkpoint protein CHFR (5,6).



Western blot analysis of extracts from Mouse brain HepG2 cells(heat-shock treatment) Hela cells(heat-shock treatment), using USP7 Ab. The lane on the left was treated with blocking peptide.



DF6931 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(DF6931 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab.
The nuclear counter stain is DAPI(blue).

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.