

Product datasheet for **AP54492PU-N**

USP7 (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:1;000. Western blot: 1:100~500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 319-348 amino acids from the Central region of human USP7
Specificity:	This antibody detects USP7 / HAUSP (Center).
Formulation:	PBS with 0.09% (W/V) sodium azide State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein A column followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ubiquitin specific peptidase 7 (herpes virus-associated)
Database Link:	Entrez Gene 7874 Human Q93009



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Background:

Hydrolase that deubiquitinates target proteins such as FOXO4, TP53, MDM2, PTEN and DAXX. Together with DAXX, prevents MDM2 self-ubiquitination and enhances the E3 ligase activity of MDM2 towards TP53, thereby promoting TP53 ubiquitination and proteasomal degradation. Deubiquitinates TP53 and MDM2 and strongly stabilizes TP53 even in the presence of excess MDM2, and also induces TP53-dependent cell growth repression and apoptosis. Deubiquitination of FOXO4 in presence of hydrogen peroxide is not dependent on TP53 and inhibits FOXO4-induced transcriptional activity. In association with DAXX, is involved in the deubiquitination and translocation of PTEN from the nucleus to the cytoplasm, both processes that are counteracted by PML. Involved in cell proliferation during early embryonic development. Contributes to the overall stabilization and trans-activation capability of the herpesvirus 1 trans-acting transcriptional protein ICP0/VMW110 during HSV-1 infection.

Synonyms:

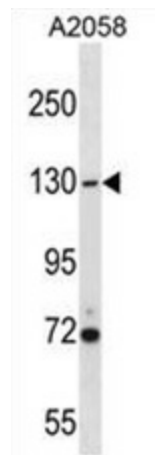
Ubiquitin carboxyl-terminal hydrolase 7

Note:

Molecular Weight: 128302 Da

Protein Families:

Druggable Genome, Protease

Product images:

USP7 Antibody (Center) western blot analysis in A2058 cell line lysates (35 ug/lane). This demonstrates the USP7 antibody detected the USP7 protein (arrow).