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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP59057_P050-Biotin
Product Page	www.avivasysbio.com/usp7-antibody-middle-region-biotin-arp59057-p050-biotin.html
Name	USP7 Antibody - middle region : Biotin (ARP59057_P050-Biotin)
Protein Size (# AA)	1102 amino acids
Molecular Weight	128kDa
Conjugation	Biotin
NCBI Gene Id	7874
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Ubiquitin specific peptidase 7 (herpes virus-associated)
Alias Symbols	TEF1, HAUSP, HAFOUS
Peptide Sequence	Synthetic peptide located within the following region: RVLLDNVENKMKGTCVEGTIPKLFGRKMVSYIQCKEVDYRSRRREDDYYDI
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	USP7 is a hydrolase that deubiquitinates target proteins such as FOXO4, TP53, MDM2, PTEN and DAXX. Together with DAXX, USP7 prevents MDM2 self-ubiquitination and enhances the E3 ligase activity of MDM2 towards TP53, thereby promoting TP53 ubiquitination and proteasomal degradation. USP7 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, USP7 is involved in the deubiquitination and translocation of PTEN from the nucleus to the cytoplasm, both processes that are counteracted by PML. USP7 is involved in cell proliferation during early embryonic development. USP7 contributes to the overall stabilization and trans-activation capability of the herpesvirus 1 trans-acting transcriptional protein ICP0/VMW110 during HSV-1 infection.
Protein Interactions	UBC; TP53; CHFR; RNF220; TPP1; FAM175B; HUWE1; PEPD; XPC; SUMO2; IKBKG; SHFM1; RB1; SUMO1; RPA3; RPA2; RPA1; PTEN; EED; ABL1; RNF2; MMS19; PPP6C; FKBP5; PPP6R3; CDC37; OGFR; COPS6; MAGED2; TRAP1; MCMBP; CLK3; UHRF1; PPARG; RNF11; KAT5; SOX2; LOC576779; HD
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-USP7 (ARP59057_P050-Biotin) antibody
Blocking Peptide	For anti-USP7 (ARP59057_P050-Biotin) antibody is Catalog # AAP59057 (Previous Catalog # AAPP45049)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human USP7
Uniprot ID	Q93009
Protein Name	Ubiquitin carboxyl-terminal hydrolase 7
Protein Accession #	NP_003461
Purification	Affinity Purified
Nucleotide Accession #	NM_003470
Gene Symbol	USP7
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish

Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 100%; Zebrafish: 85%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

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Optimal conditions of its use should be determined by end users.

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