

bsm-54298R**[Primary Antibody]**

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USP7 Recombinant Rabbit mAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-1000) IHC-P (1:50-200) IHC-F (1:50-200) IF (1:50-200) Flow-Cyt (1:20-100) Reactivity: (predicted: Human, Mouse, Rat) Predicted MW.: 128 kDa
Clonality: Recombinant	CloneNo.: 5A3	
GeneID: 7874	SWISS: Q93009	
Target: USP7		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.02% Proclin300. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Hydrolase that deubiquitinates target proteins such as FOXO4, p53/TP53, MDM2, PTEN and DAXX. Together with DAXX, prevents MDM2 self-ubiquitination and enhances the E3 ligase activity of MDM2 towards p53/TP53, thereby promoting p53/TP53 ubiquitination and proteasomal degradation. Deubiquitinates p53/TP53 and MDM2 and strongly stabilizes p53/TP53 even in the presence of excess MDM2, and also induces p53/TP53-dependent cell growth repression and apoptosis. Deubiquitination of FOXO4 in presence of hydrogen peroxide is not dependent on p53/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.		

— SELECTED CITATIONS —

- **[IF=3.4]** Wei Hongyun. et al. Predicting prognosis and immunotherapy response of ferroptosis-related genes in colorectal cancer. EUR J MED RES. 2025 Dec;30(1):1-14 IHC ;Human. 40551269