



## USP7 Polyclonal Antibody

E92345

**Catalog Number:** E92345

**Amount:** 100ul

**Background:** 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 ubiquitinated proteins such as members of the FoxO family of forkhead transcription factors and the mitotic stress checkpoint protein CHFR (5,6).

**Species:** Rabbit

**Isotype:** IgG

**Storage/Stability:** Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonyms:** USP7;HAUSP;TEF1;

**Immunogen:** Recombinant protein of human USP7

**Purification:** Affinity purification

**Reactivity:** H M R

**Applications:** WB IHC IF

**Molecular Weight:** 130kDa

**Swiss-Prot No. :** Q93009

**Gene ID:** 7874

**References:** 1. Nijman, S.M. et al. (2005) Cell 123, 773-86. 2. Nalepa, G. et al. (2006) Nat Rev Drug Discov 5, 596-613. 3. Li, M. et al. (2002) Nature 416, 648-53. 4. Brooks, C.L. et al. (2007) Oncogene 26, 7262-6. 5. van der Horst, A. et al. (2006) Nat Cell Biol 8, 1064-73. 6. Oh, Y.M. et al. (2007) Biochem Biophys Res Commun 357, 615-9.

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