

bs-5820R**[Primary Antibody]****USP28 Rabbit pAb****BioSS**
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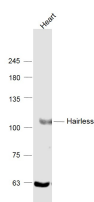
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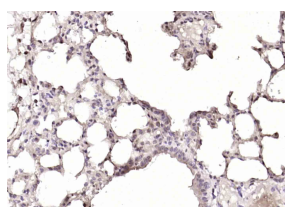
400-901-9800

— DATASHEET —

<p>Host: Rabbit</p> <p>Clonality: Polyclonal</p> <p>GeneID: 57646</p> <p>Target: USP28</p> <p>Immunogen: KLH conjugated synthetic peptide derived from human USP28: 101-200/1077.</p> <p>Purification: affinity purified by Protein A</p> <p>Concentration: 1mg/ml</p> <p>Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.</p> <p>Background: Deubiquitinase involved in DNA damage response checkpoint and MYC proto-oncogene stability. Involved in DNA damage induced apoptosis by specifically deubiquitinating proteins of the DNA damage pathway such as CLSPN. Also involved in G2 DNA damage checkpoint, by deubiquitinating CLSPN, and preventing its degradation by the anaphase promoting complex/cyclosome (APC/C). In contrast, it does not deubiquitinate PLK1. Specifically deubiquitinates MYC in the nucleoplasm, leading to prevent MYC degradation by the proteasome: acts by specifically interacting with isoform 1 of FBXW7 (FBXW7alpha) in the nucleoplasm and counteracting ubiquitination of MYC by the SCF(FBXW7) complex. In contrast, it does not interact with isoform 4 of FBXW7 (FBXW7gamma) in the nucleolus, allowing MYC degradation and explaining the selective MYC degradation in the nucleolus.</p>	<p>Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)</p> <p>Reactivity: Mouse (predicted: Human, Rat)</p> <p>Predicted MW.: 75/100 kDa</p> <p>Subcellular Location: Nucleus</p>
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— VALIDATION IMAGES —

Sample: Heart (Mouse) Lysate at 40 ug Primary:
Anti-Hairless (bs-5820R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 127 kD
Observed band size: 127 kD



Paraformaldehyde-fixed, paraffin embedded (mouse lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (USP28) Polyclonal Antibody, Unconjugated (bs-5820R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.