

bs-20665R**[Primary Antibody]****HSP27 Rabbit pAb****Bioss**
ANTIBODIES

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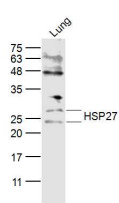
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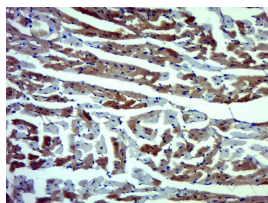
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— DATASHEET —

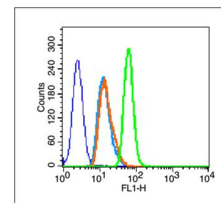
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|---|----------------------|--|
| Host: Rabbit | Isotype: IgG | Applications: WB (1:500-2000) |
| Clonality: Polyclonal | | IHC-P (1:100-500) |
| GeneID: 3315 | SWISS: P04792 | IHC-F (1:100-500) |
| Target: HSP27 | | IF (1:100-500) |
| | | Flow-Cyt (1µg/Test) |
| Immunogen: KLH conjugated synthetic peptide derived from human HSP27: 51-100/205. | | Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Dog) |
| Purification: affinity purified by Protein A | | |
| Concentration: 1mg/ml | | Predicted MW.: 27 kDa |
| 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. | | Subcellular Location: Cytoplasm ,Nucleus |
| Background: The protein encoded by this gene is induced by environmental stress and developmental changes. The encoded protein is involved in stress resistance and actin organization and translocates from the cytoplasm to the nucleus upon stress induction. Defects in this gene are a cause of Charcot-Marie-Tooth disease type 2F (CMT2F) and distal hereditary motor neuropathy (dHMN). [provided by RefSeq, Oct 2008] | | |

— VALIDATION IMAGES —

Sample: Lung (Mouse) Lysate at 40 ug Primary:
Anti-HSP27 (bs-20665R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 27 kD
Observed band size: 23/27 kD



Paraformaldehyde-fixed, paraffin embedded
(Rat heart); 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 (HSP27) Polyclonal Antibody,
Unconjugated (bs-20665R) at 1:500 overnight at
4°C, followed by a conjugated secondary
(sp-0023) for 20 minutes and DAB staining.



Blank control (blue line): A431 cells (fixed with
70% methanol (Overnight at 4°C) and then
permeabilized with 90% ice-cold methanol for
20 min at -20°C). Primary Antibody (green line):
Rabbit Anti-HSP27 antibody
(bs-20665R), Dilution: 1µg /10⁶ cells; Isotype
Control Antibody (orange line): Rabbit IgG .
Secondary Antibody (white blue line): Goat anti-
rabbit IgG-FITC, Dilution: 1µg /test.

— SELECTED CITATIONS —

- **[IF=9.8]** Xiaoyan Zheng. et al. Novel findings from arsenic-lead combined exposure in mouse testicular TM4 Sertoli cells based on transcriptomics. SCI TOTAL ENVIRON. 2023 Dec;:169611 WB ;Mouse. 38157908
- **[IF=5.6]** Haoqian Li. et al. TSP-1 increases autophagy level in cartilage by upregulating HSP27 which delays progression of osteoarthritis. INT IMMUNOPHARMACOL. 2024 Feb;128:111475 WB,IHC ;Rat. 38183909