bs-3179R **[Primary Antibody]**

phospho-HSP27 (Ser78) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3315 **SWISS:** P04792

Target: HSP27 (Ser78)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human HSP27 around the phosphorylation site of Ser78: AL(p-S)RQ.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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.

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]

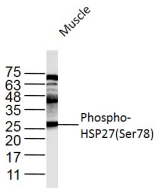
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (0.2µg /test)
ICC/IF (1:100)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Cow, Dog, Horse)

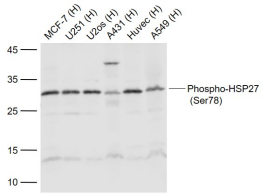
Predicted MW.: 23 kDa

Subcellular Location: Cytoplasm ,Nucleus

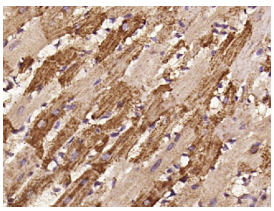
VALIDATION IMAGES



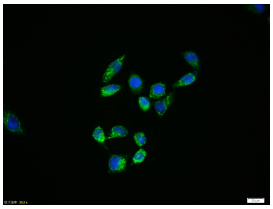
Sample: Muscle (Mouse) Lysate at 40 ug Primary: Anti-Phospho-HSP27(Ser78) (bs-3179R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 23 kD Observed band size: 23 kD



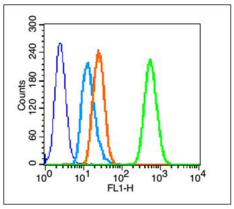
Sample: Lane 1: MCF-7 (Human) Cell Lysate at 30 ug Lane 2: U251 (Human) Cell Lysate at 30 ug Lane 3: U2os (Human) Cell Lysate at 30 ug Lane 4: A431 (Human) Cell Lysate at 30 ug Lane 5: Huvec (Human) Cell Lysate at 30 ug Lane 6: A549 (Human) Cell Lysate at 30 ug Primary: Anti-Phospho-HSP27 (Ser78) (bs-3179R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 27 kD Observed band size: 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 (Phospho-HSP27(Ser78)) Polyclonal Antibody, Unconjugated (bs-3179R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Phospho-HSP27 (Ser78)) polyclonal Antibody, Unconjugated (bs-3179R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody



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-Phospho-HSP27(Ser78) antibody (bs-3179R); Dilution: 0.2µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG .

at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC; Dilution: 1μg /test.