

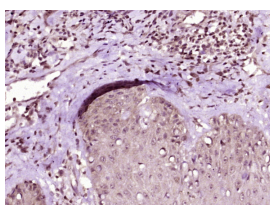
**bs-5365R****[ Primary Antibody ]****phospho-HSP70 (Tyr525) Rabbit pAb****Bioss**  
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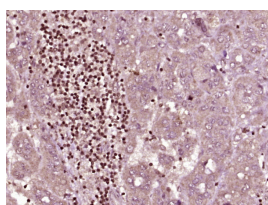
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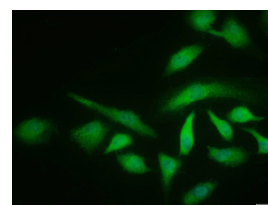
400-901-9800

**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 3303**SWISS:** P0DMV8**Target:** phospho-HSP70 (Tyr525)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human HSP70 around the phosphorylation site of Tyr525: EK(p-Y)KA.**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:** This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins. [provided by RefSeq, Jul 2008].**Applications:** IHC-P (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1µg/Test)**ICC/IF** (1:100)**Reactivity:** Human (predicted: Mouse, Rabbit, Pig, Sheep, Cow, Chicken, Dog, GuineaPig)**Predicted MW.:** 70 kDa**Subcellular Location:** Cytoplasm**— VALIDATION IMAGES —**

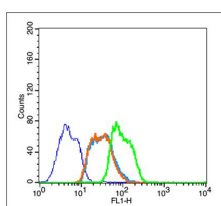
Paraformaldehyde-fixed, paraffin embedded (Human skin cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-HSP70 (Tyr525)) Polyclonal Antibody, Unconjugated (bs-5365R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human liver cancer); 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-HSP70 (Tyr525)) Polyclonal Antibody, Unconjugated (bs-5365R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and 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-HSP70 (Tyr525)) polyclonal Antibody, Unconjugated (bs-5365R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control (blue line): Jurkat (fixed with 2% paraformaldehyde (10 min) , then permeabilized with 90% ice-cold methanol for 30 min on ice).  
Primary Antibody (green line): Rabbit Anti-

**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

phospho-HSP70 (Tyr525) antibody  
(bs-5365R), Dilution: 1µg / 10<sup>6</sup> cells; Isotype  
Control Antibody (orange line): Rabbit IgG .  
Secondary Antibody (white blue line): Goat anti-  
rabbit IgG-FITC, Dilution: 1µg /test.