

**bs-5362R****[ Primary Antibody ]****phospho-HSP70 (Tyr41) Rabbit pAb****Bioss**  
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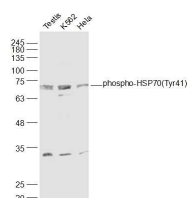
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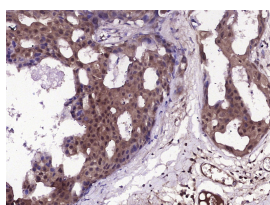
400-901-9800

**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 3303**SWISS:** P0DMV8**Target:** phospho-HSP70 (Tyr41)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human HSP70 around the phosphorylation site of Tyr41: PS(p-Y)VA.**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:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1µg/Test)**Reactivity:** Human, Mouse, Rat  
(predicted: Cow, Chicken)**Predicted**  
**MW.:** 70 kDa**Subcellular**  
**Location:** Cytoplasm**— VALIDATION IMAGES —**

Sample: Testis (Mouse) Lysate at 40 ug  
 K562(Human) Cell Lysate at 30 ug  
 Primary: Anti-phospho-HSP70(Tyr41) (bs-5362R) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 70 kD  
 Observed band size: 70 kD



Paraformaldehyde-fixed, paraffin embedded (Human breast carcinoma); 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(Tyr41)) Polyclonal Antibody, Unconjugated (bs-5362R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.