bs-5365R

[Primary Antibody]

phospho-HSP70 (Tyr525) Rabbit pAb



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DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 3303 SWISS: PODMV8

Target: 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 conjuction 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 AUrich 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 (1:100-500)

Reactivity: Human (predicted: Mouse,

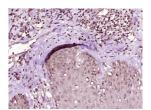
Rabbit, Pig, Sheep, Cow, Chicken, Dog, GuineaPig)

Predicted 70 kDa

MW.:

Subcellular Location: Cytoplasm

VALIDATION IMAGES



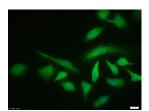
Paraformaldehyde-fixed, paraffin embedded (Human skin cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-HSP70 (Tyr525)) 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.



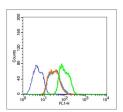
Polyclonal Antibody, Unconjugated (bs-5365R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

incubation with (phospho-HSP70 (Tyr525))

goat serum) at 37°C for 30min; Antibody



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 Antiphospho-HSP70 (Tyr525) antibody (bs-5365R),Dilution: $1\mu g/10^6$ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat antirabbit IgG-FITC,Dilution: 1μg /test.