bsm-52167R

[Primary Antibody]

phospho-HSP27 (Ser78) Recombinant Rabbit mAb



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DATASHEET

Host: Rabbit Isotype: IgG
Clonality: Recombinant CloneNo.: 5E1
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)

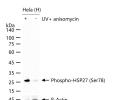
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1:50-100)
ICC/IF (1:50-200)
ELISA (1:5000-10000)

Reactivity: Human

Predicted MW.: 23 kDa

Subcellular Cytoplasm ,Nucleus

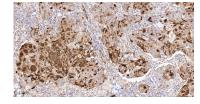
VALIDATION IMAGES



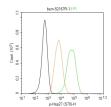
Hela (H) cells were treated with or without UV (40 mJ/cm2) for 30 min and anisomycin (25 μ g/mL) for 30 min , 25 μ g total protein per lane of cell lysates (see on figure) probed with Phospho-HSP27 (Ser78) monoclonal antibody, unconjugated (bsm-52167R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with phospho-HSP27 (Ser78) Monoclonal Antibody, Unconjugated (bsm-52167R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Cervical Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with phospho-HSP27 (Ser78) Monoclonal Antibody, Unconjugated (bsm-52167R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



The Hela (treated with 200J/m2 UV-C then recovery for 30 min) (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit

Anti-p-Hsp27 (S78) antibody (bsm-52167R,1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.