

Product Name: Phospho-Hsp27 (S82) (18T2) Rabbit Monoclonal Antibody
Catalog #: AMRe05920



Summary

Production Name	Phospho-Hsp27 (S82) (18T2) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	HSPB1 28 kDa heat shock protein; Estrogen-regulated 24 kDa protein; Growth-related 25 kDa
Alternative Names	protein; Heat shock 27 kDa protein; HSP 27; HSP25; HSPB1; P25; SRP27; Stress-responsive protein 27;
Gene ID	3315.0
SwissProt ID	P04792.A synthetic peptide of human Hsp27

Application

Dilution Ratio	WB: 1:1000
Molecular Weight	23kDa

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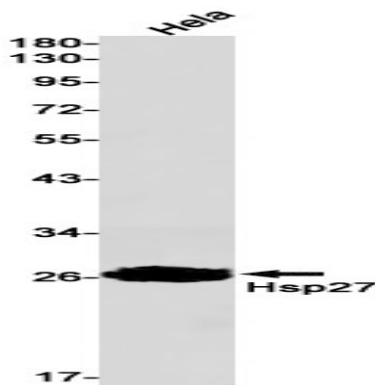


Background

Heat shock protein (HSP) 27 is one of the small HSPs that are constitutively expressed at different levels in various cell types and tissues. Like other small HSPs, HSP27 is regulated at both the transcriptional and posttranslational levels. In response to stress, the HSP27 expression increases several-fold to confer cellular resistance to the adverse environmental change. HSP27 is phosphorylated at Ser15, Ser78, and Ser82 by MAPKAPK-2 as a result of the activation of the p38 MAP kinase pathway. Small heat shock protein which functions as a molecular chaperone probably maintaining denatured proteins in a folding-competent state (PubMed: [10383393](http://www.uniprot.org/citations/10383393), PubMed: [20178975](http://www.uniprot.org/citations/20178975)). Plays a role in stress resistance and actin organization (PubMed: [19166925](http://www.uniprot.org/citations/19166925)). Through its molecular chaperone activity may regulate numerous biological processes including the phosphorylation and the axonal transport of neurofilament proteins (PubMed: [23728742](http://www.uniprot.org/citations/23728742)).

Research Area

Image Data



Western blot detection of Hsp27 in HeLa cell lysates using Hsp27 antibody(1:1000 diluted).

Note

For research use only.