

DATASHEET

HSP27 (Phospho-S82) Rabbit Monoclonal Antibody(C920)

CAT. NO. AMA00532

KEY FEATURES

Target	HSP27 (Phospho-S82)	Source / Host	Rabbit
Reactivity	Human	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Small heat shock protein which functions as a molecular chaperone probably maintaining denatured proteins in a folding-competent state . Plays a role in stress resistance and actin organization . Through its molecular chaperone activity may regulate numerous biological processes including the phosphorylation and the axonal transport of neurofilament proteins .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

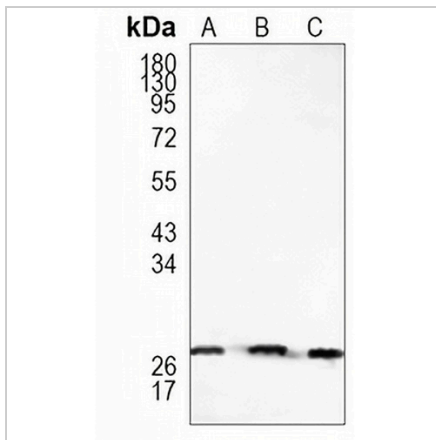
Description	Recombinant rabbit monoclonal antibody to HSP27 (Phospho-S82)
Specificity	Recognizes endogenous levels of HSP27 protein only when phosphorylated at S82
Antibody Type	Primary antibody, Recombinant
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S82 of human HSP27 protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 22 kD; Observed: 27 kD
Form/Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Alternative Names	HSP27; HSP28; Heat shock protein beta-1; HspB1; 28 kDa heat shock protein; Estrogen-regulated 24 kDa protein; Heat shock 27 kDa protein; HSP 27; Stress-responsive protein 27; SRP27
Gene Symbol	HSPB1
Entrez Gene	3315(Human)
SwissProt	P04792(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of HSP27 (Phospho-S82) expression in A549 (A), THP1 (B), PC3 (C) whole cell lysates. (Predicted band size: 22 kD; Observed band size: 27 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.