

Product datasheet for **AM00070BT-N**

HSP27 (HSPB1) pSer82 (incl. pos. control) Mouse Monoclonal Antibody [Clone ID: 5B9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5B9
Applications:	IHC, WB
Recommended Dilution:	Western Blot: 0.5 µg/ml for HRPO/ECL detection. Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer. Positive Control: Cell lysate from EGF-treated HepG2 cells. Immunohistochemistry on frozen sections.
Reactivity:	Canine, Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Synthetic phosphopeptide conjugated to KLH
Specificity:	This antibody specifically interacts with hsp27 phosphorylated at serine 82 and does not crossreact with the non-phosphorylated hsp27 nor with unrelated serine-phosphorylated proteins.
Formulation:	PBS/0.09% Na-Azide/PEG and Sucrose Label: Biotin State: Liquid purified IgG
Concentration:	lot specific
Purification:	Size exclusion chromatography
Conjugation:	Biotin
Storage:	Store the antibody (aliquote in liquid nitrogen) at -80°C. Avoid repeated freezing and thawing. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.
Stability:	Shelf life: one year from despatch.
Gene Name:	heat shock protein family B (small) member 1
Database Link:	Entrez Gene 3315 Human P04792



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- Background:** The small heat shock protein hsp27 is constitutively expressed in most cell lines. The expression level is increased in response to environmental stress. Activation of the p38 kinases results in subsequent activation of MAPKAP2 that phosphorylates hsp27 at Ser15, Ser78 and Ser82.
- Synonyms:** Heat shock protein beta-1, Heat shock 27 kDa protein, HSP28, 28 kDa heat shock protein, SRP27, HSP25