

Anti-Heat Shock Protein 27 (HSP-27) Antibody



Product Details

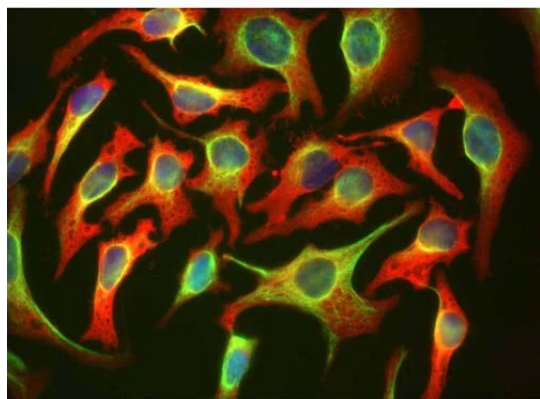
Available Variants	100 µg (SKU:M-1692-100)
Conjugate	Unconjugated
Isotype	IgG1
Clone	6H11
Host Species	Mouse
Format	IgG
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 5% trehalose, and sodium azide
Production Notes	Protein G purified
Applications	ICC, WB
Dilution Ranges	WB: 1:5000-1:10000 ICC: 1:500-1:1000
Species Reactivity	Human
Immunogen	Recombinant full length human HSP27 expressed in and purified from E. coli
Specificity	The antibody reacts with a 27 kDa band by Western blot on a crude extract from HeLa cells. It has also been used successfully for immunocytochemistry. Does not react with rodent protein.
Molecular Weight	27 kDa
Storage	Spin vial briefly before opening. Reconstitute with 100 µL sterile-filtered, ultrapure water to achieve a 1 mg/mL concentration. Centrifuge to remove any insoluble material. After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
UniProt ID	<u>P04792</u>

Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

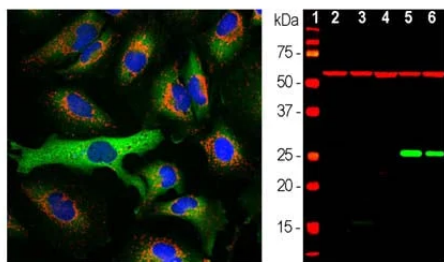
Product Images



Crude extract of HeLa cells. The antibody recognizes the 27 kDa protein.



HeLa cells stained with M-1692-100 (red) and also with our chicken polyclonal antibody to Vimentin, (C-1409-50). The HSP27 antibody reveals strong cytoplasmic staining and penetrates into the actin rich ruffled margins. The vimentin antibody stains a quite different cytoskeletal network, the intermediate filaments. The blue stain reveals DNA in the nuclei of these cells.



Left: Analysis of HSP27 expression (green) in HeLa cells by **Immunocytochemistry**. HSP27 was stained with mouse antibody at 1:2,000 dilution, and cells were co-stained with a chicken antibody to HSP60 (red). Blue: DAPI nuclear stain.

The HSP27 antibody produces strong cytoplasm staining, while the HSP60 antibody specifically labels mitochondria.

Right: Western blot analysis of HSP27 expression (green) in tissue or whole cell lysates using mouse anti-HSP27 antibody at 1:10,000 dilution. [1] protein standard, [2] rat brain, [3] mouse brain, [4] NIH-3T3, [5] HEK293, [6] HeLa. The strong single band at 27 kDa corresponds to the HSP27 protein, detected only in human cell lines, since this antibody is human specific. The blot was simultaneously probed with a rabbit antibody to HSP60 (red, lanes 2-6).

Product Page URL: www.antibodiesinc.com/products/anti-heat-shock-protein-27-hsp-27-antibody-m-1692-100



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