

Anti-Heat shock protein 27 (HSP-27) Antibody



Product Details

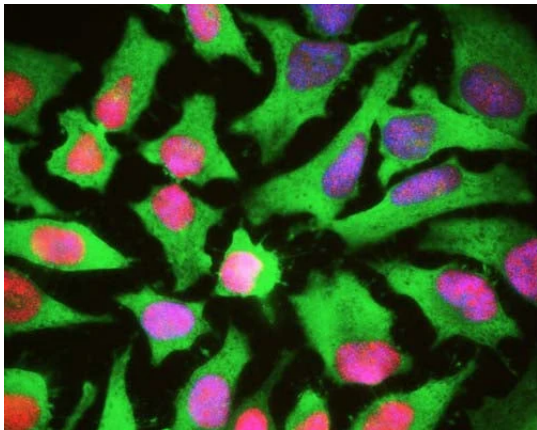
Available Variants	100 µL (SKU:C-1700-100)
Conjugate	Unconjugated
Isotype	IgY
Host Species	Chicken
Format	IgY preparation
Physical State	Lyophilized
Buffer	Lyophilized IgY preparation, with sodium azide.
Applications	ICC, WB
Dilution Ranges	WB: 1:2000-1:5000 ICC: 1:1000-1:2000
Species Reactivity	Human
Immunogen	Recombinant full length purified HSP27 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.
Molecular Weight	27 kDa
Storage	Spin vial briefly before opening. Reconstitute with 100 µL sterile-filtered, ultrapure water. 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	P04792
Country of Origin	United States
Shipping	25°C (ambient)

Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

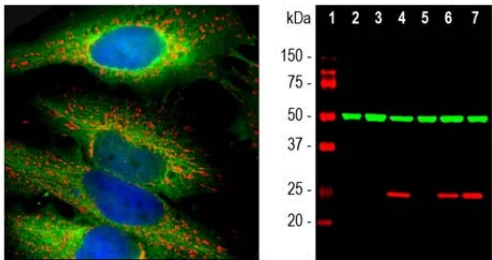
Product Images



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



HeLa cells stained with C-1700-100 (green) and a monoclonal antibody to High mobility Group B protein 1 (M-1702-100, red). The HSP27 antibody reveals strong cytoplasmic staining and penetrates into the actin rich ruffled margins. The blue stain reveals DNA in the nuclei of these cells.



Left: Analysis of HSP27 expression in HeLa cells by **Immunocytochemistry** with chicken antibody to HSP27 (1:1,000, green). Cells were co-stained with a mouse antibody to HSP60 (red). Blue: DAPI nuclear stain. The HSP27 antibody produces strong cytoplasmic staining, while the HSP60 antibody specifically labels mitochondria. **Right:** **Western blot** analysis of whole cell lysates with chicken antibody to HSP27 (1:2,000, red, lanes 2-7). [1] protein standard, [2] NIH-3T3 , [3] C6, [4] HeLa, [5] HEK293, [6] SH-SY5Y, [7] COS-1. A strong, single band at 27 kDa corresponds to the HSP27 protein expressed in human cell lines. The antibody does not recognize rodent HSP27. The blot was simultaneously probed with a mouse antibody to beta-tubulin (green).

Product Page URL: www.antibodiesinc.com/products/anti-heat-shock-protein-27-hsp-27-antibody-c-1700-100



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