

Product Datasheet

HSP27 Antibody - BSA Free

NBP2-25150

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-25150

HSP27 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgY
Purity	IgY purified
Buffer	Supplied as a concentrated total IgY preparation from egg yolk, dialyzed against PBS with added preservative.
Target Molecular Weight	27 kDa

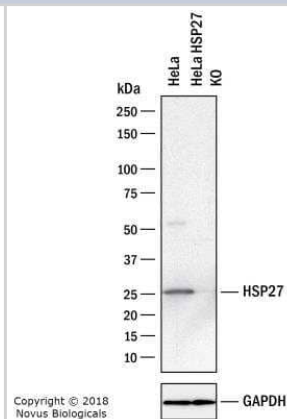
Product Description	
Description	<p>This antibody is supplied as a concentrated total IgY preparation derived from egg yolk. Production involves an initial organic extraction to remove lipids and lipoproteins, followed by salt fractionation of the aqueous phase to precipitate and enrich the IgY fraction. The material is then extensively dialyzed against PBS, and preservative is added during final formulation.</p> <p>Please note that the exact concentration of target-specific IgY cannot be determined, as the final preparation contains both antigen-specific IgY and non-immune IgY.</p>
Host	Chicken
Gene ID	3315
Gene Symbol	HSPB1
Species	Human, Mouse (Negative), Rat (Negative)
Reactivity Notes	Unreactive to rodent species
Immunogen	Recombinant full length human HSP27 expressed in and purified from E. coli
Notes	Chicken products cannot be exported to Canada.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockout Validated
Recommended Dilutions	Western Blot 1:1000-1:5000, Immunohistochemistry 1:2000, Immunocytochemistry/ Immunofluorescence 1:2000, Knockout Validated
Application Notes	This Hsp27 antibody is useful for Immunocytochemistry/Immunofluorescence and Western Blot, where a band can be seen at ~27 kDa.

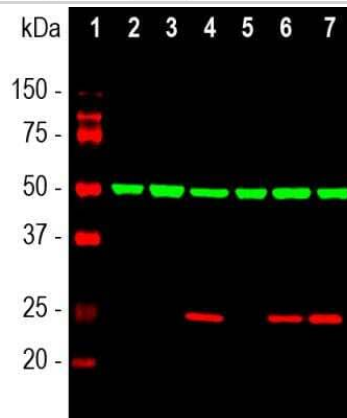


Images

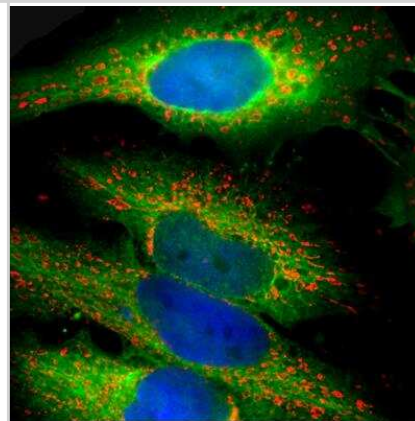
Western Blot: HSP27 Antibody [NBP2-25150] - Western blot shows lysates of HeLa human cervical epithelial carcinoma parental cell line and HSP27 knockout (KO) HeLa cell line. PVDF membrane was probed with 1:2000 of Chicken Anti-Human HSP29 Polyclonal Antibody (Catalog # NBP2-25150) followed by HRP-conjugated Anti-Chicken Secondary Antibody. Specific band was detected for HSP27 at approximately 27 kDa (as indicated) in the parental HeLa cell line, but is not detectable in the knockout HeLa cell line. This experiment was conducted under reducing conditions.



Western Blot: HSP27 Antibody [NBP2-25150] - Analysis of whole cell lysates using chicken pAb to HSP27, NBP2-25150, dilution 1:2,000, in red. [1] protein standard (red), [2] NIH-3T3, [3] C6, [4] HeLa, [5] HEK293, [6] SH-SY5Y, and [7] COS-1 cells. Strong single band at 27kDa corresponds to the HSP27 protein strongly expressed in human cell lines. Note that the antibody does not recognize rodent HSP27. The blot was simultaneously probed with mouse mAb to Beta-tubulin, dilution 1:10,000 in green. A single band at 50kDa, which is detected in all cell lysates, corresponds to the Beta-tubulin proteins.



Immunocytochemistry/Immunofluorescence: HSP27 Antibody [NBP2-25150] - Staining of HeLa cells stained with chicken pAb to heat shock protein 27 (HSP27), NBP2-25150, dilution 1:1,000 in green, and costained with mouse mAb to HSP60, dilution 1:5,000 in red. Blue is DAPI staining of nuclear DNA. NBP2-25150 antibody produces strong cytoplasmic staining, while the HSP60 antibody specifically labels mitochondria.





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Products Related to NBP2-25150

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
BAF010	Goat anti-Chicken IgY Secondary Antibody [Biotin]
NB7276	Goat anti-Chicken IgM Heavy Chain Secondary Antibody
NBP1-75477PEP	HSP27 Antibody Blocking Peptide

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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