

# Product Datasheet

## HSP27 Antibody 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

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.035% Sodium Azide
<b>Isotype</b>	IgY
<b>Purity</b>	IgY purified
<b>Buffer</b>	Supplied as concentrated total IgY preparation from egg yolk. Exact concentration of target specific IgY is not quantifiable as the preparation contains both immune IgY specific for the target and also irrelevant, non-immune IgY.
<b>Target Molecular Weight</b>	27 kDa

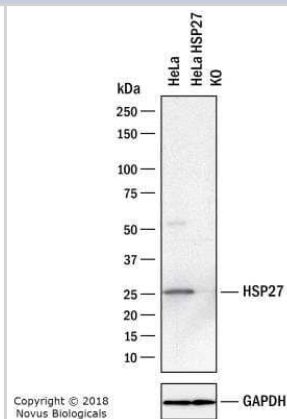
Product Description	
<b>Host</b>	Chicken
<b>Gene ID</b>	3315
<b>Gene Symbol</b>	HSPB1
<b>Species</b>	Human, Rat, Mouse (Negative)
<b>Reactivity Notes</b>	Unreactive to rodent species
<b>Immunogen</b>	Recombinant full length human HSP27 expressed in and purified from E. coli
<b>Notes</b>	Chicken products cannot be exported to Canada.

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

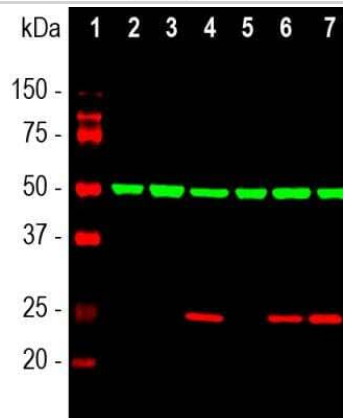


## Images

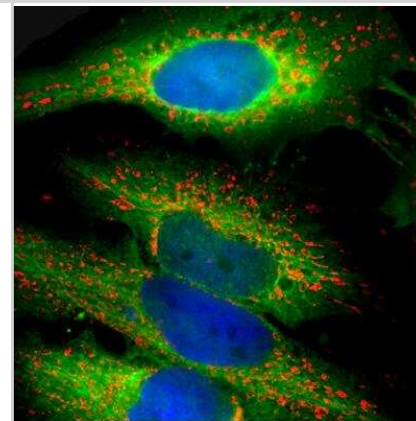
Knockout Validated: HSP27 Antibody [NBP2-25150] - Western blot shows lysates of HeLa human cervical epithelial carcinoma parental cell line and HSP27 knockout (KO) HeLa cell line. PVDF membrane was probed with 1:2000 of Chicken Anti-Human HSP29 Polyclonal Antibody (Catalog # NBP2-25150) followed by HRP-conjugated 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.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-25150**

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BAF010	Goat anti-Chicken IgY Secondary Antibody [Biotin]
NB7276	Goat anti-Chicken IgM Heavy Chain Secondary Antibody
NBP1-75477PEP	HSP27 Antibody Blocking Peptide
210-TA-005	TNF-alpha [Unconjugated]

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### **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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