Product Datasheet

HSP27 Antibody (6H11) - BSA Free
NBP2-25149

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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Publications: 2

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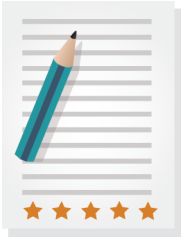
Updated 9/9/2025 v.20.1



NBP2-25149

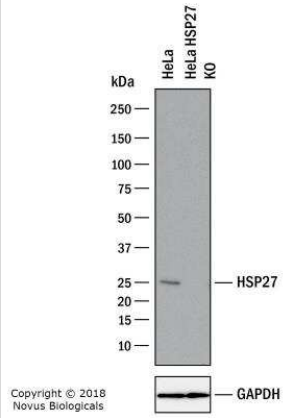
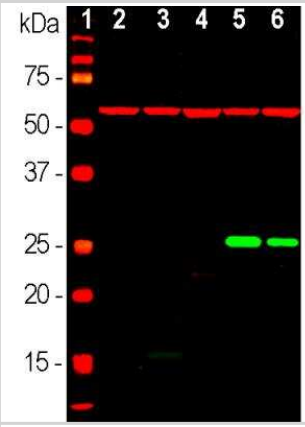
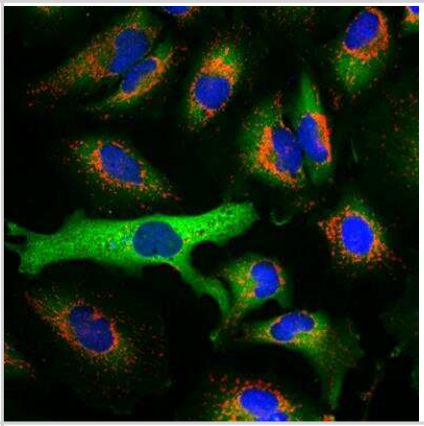
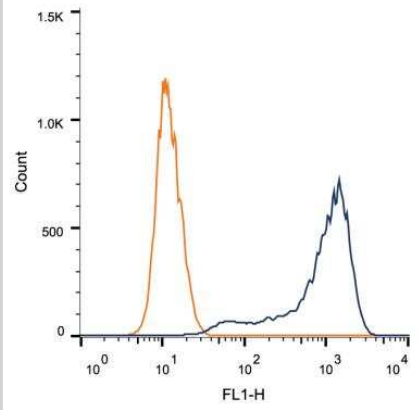
HSP27 Antibody (6H11) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	6H11
Preservative	5mM Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	27 kDa

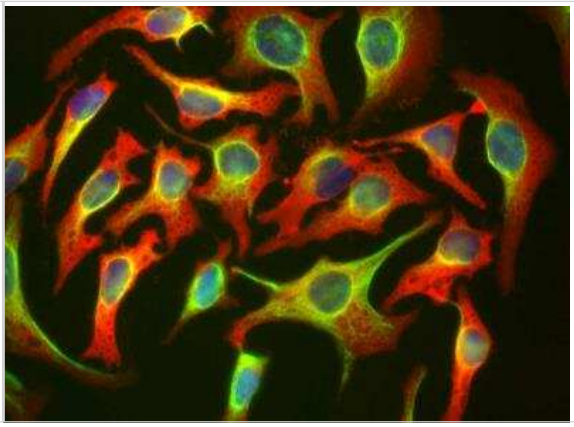
Product Description	
Description	Novus Biologicals Knockout (KO) Validated Mouse HSP27 Antibody (6H11) - BSA Free (NBP2-25149) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-HSP27 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3315
Gene Symbol	HSPB1
Species	Human, Mouse (Negative), Rat (Negative)
Reactivity Notes	Unreactive on Rodent.
Immunogen	Recombinant full length human HSP27 expressed in and purified from E. coli. [UniProt# P04792]

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready, Knockout Validated
Recommended Dilutions	Western Blot 1:10000, Flow Cytometry 1 ug per million cells, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:1000, CyTOF-ready, Knockout Validated
Application Notes	This Hsp27 (6H11) antibody is useful for Immunocytochemistry/Immunofluorescence and Western Blot, where a band is seen at ~27 kDa. This antibody is CyTOF ready.

Images

Western Blot: HSP27 Antibody (6H11) [NBP2-25149] - 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 1:5,000 of Mouse Anti-Human HSP27 Monoclonal Antibody (Catalog # NBP2-25149) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (catalog number HAF018). 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 (6H11) [NBP2-25149] - Analysis of tissue or whole cell lysates using mouse mAb to HSP27, NBP2-25149, dilution 1:10,000, in green. [1] protein standard (red), [2] rat brain, [3] mouse brain, [4] NIH-3T3, [5] HEK293, [6] HeLa, [7] SH-SY5Y cells. The strong single band at ~27 kDa corresponds to the HSP27 protein, detected only in human cell lines, since this antibody is human specific and unreactive with rodent HSP27. The blot was simultaneously probed with rabbit pAb to HSP-60, dilution 1:5,000 in red. A strong 60 kDa band is present in all preparations.	
Immunocytochemistry/Immunofluorescence: HSP27 Antibody (6H11) [NBP2-25149] - Analysis of HeLa cells stained with mouse HSP27 mAb, dilution 1:2000 (Green), and costained with chicken HSP60 pAb, dilution 1:2000 (Red). DAPI staining of nuclear DNA (Blue). The HSP27 antibody produces strong cytoplasm staining, while the HSP60 antibody specifically labels mitochondria	
Flow Cytometry: Hsp27 Antibody (6H11) [NBP2-25149] - Flow cytometric staining of 1 x 10^6 MCF-7 cells using Hsp27 antibody (dark blue). Isotype control shown in orange. An antibody concentration of 1 ug/1x10^6 cells was used.	

Immunocytochemistry/Immunofluorescence: Hsp27 Antibody (6H11) [NBP2-25149] - HeLa cells stained with NBP2-25149 (red), and counterstained with chicken polyclonal antibody to Vimentin NB300-223 (green) and DNA (blue). NBP2-25149 reveals strong cytoplasmic staining and penetrates into the Actin rich ruffled margins, while the Vimentin antibody reveals cytoplasmic intermediate filaments.



Publications

Adur MK, Seibert JT, Romoser MR et al. Porcine endometrial heat shock proteins are differentially influenced by pregnancy status, heat stress, and altrenogest supplementation during the peri-implantation period Journal of animal science 2022-07-01 [PMID: 35772767] (Flow Cytometry, Mouse)

Seibert, J T, Adur, M K Et al. Differentiating between the effects of heat stress and lipopolysaccharide on the porcine ovarian heat shock protein response1. J Anim Sci 2019-12-17 [PMID: 31782954] (FLOW, Mouse)

Details:
Citation using the Allophycocyanin/Cy7 format of this antibody.

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Products Related to NBP2-25149

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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