

Product Datasheet

HSP27 Antibody (8A7) - BSA Free NB110-96431

Unit Size: 0.1 mg

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

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NB110-96431

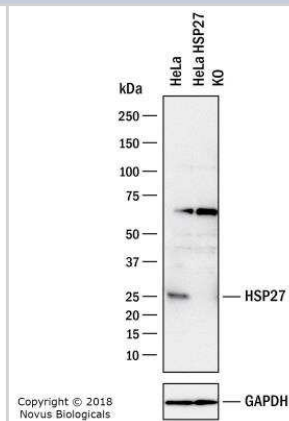
HSP27 Antibody (8A7) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	8A7
Preservative	0.09% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS, 50% Glycerol
Product Description	
Description	Novus Biologicals Knockout (KO) Validated Mouse HSP27 Antibody (8A7) - BSA Free (NB110-96431) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3315
Gene Symbol	HSPB1
Species	Human, Mouse, Rat, Bovine, Canine, Guinea Pig, Hamster, Sheep
Specificity/Sensitivity	Detects approx 25kDa or approx 27kDa. Recognizes HSP25 and HSP27, cross reacts with alpha B crystallin.
Immunogen	HSP27 peptide
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Knockout Validated
Recommended Dilutions	Western Blot 1:5000, Flow Cytometry, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence 1:200, Immunoprecipitation, Immunohistochemistry-Paraffin 1:100, Knockout Validated
Application Notes	A 1:5000 dilution of HSP25/HSP27 Antibody was sufficient for detection of HSP27 in 20 ug of HeLa cell lysate by ECL immunoblot analysis.

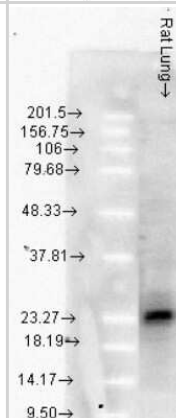


Images

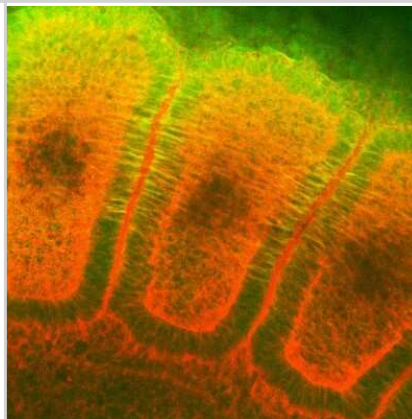
Western Blot: HSP27 Antibody (8A7) [NB110-96431] - Western blot shows lysates of HeLa human cervical epithelial carcinoma parental cell line and HSP27 knockout (KO) HeLa cell line. PVDF membrane was probed with 1:8,000 of Mouse Anti-Human HSP27 Monoclonal Antibody (Catalog # NB110-96431) followed by 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.



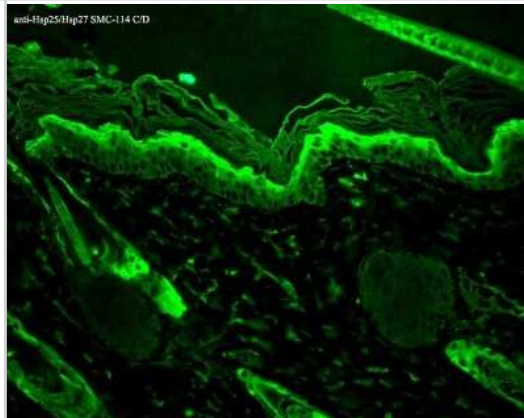
Western Blot: HSP27 Antibody (8A7) [NB110-96431] - analysis of Rat Lung tissue lysates showing detection of Hsp27 protein using Mouse Anti-Hsp27 Monoclonal Antibody, Clone 8A7 . Load: 15 ug protein. Block: 5% blocking solution. Primary Antibody: Mouse Anti-Hsp27 Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse: HRP for 1 hour at RT.



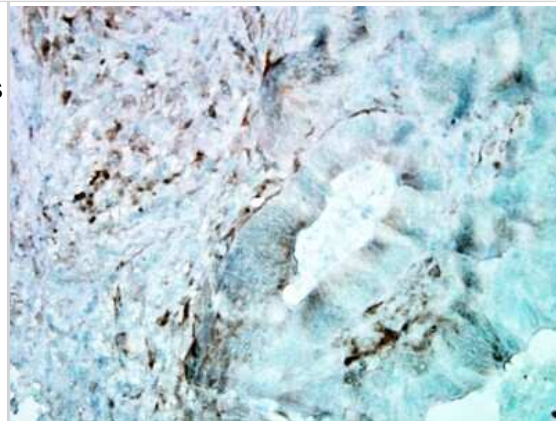
Immunocytochemistry/Immunofluorescence: HSP27 Antibody (8A7) [NB110-96431] - analysis using Mouse Anti-Hsp27 Monoclonal Antibody, Clone 8A7 . Tissue: embryo somites. Species: Rat. Primary Antibody: Mouse Anti-Hsp27 Monoclonal Antibody at 1:1000. Secondary Antibody: FITC Goat Anti-Mouse (green). Counterstain: Rhodamine-phalloidin labeled actin (red). Courtesy of: Mike Welsh, Umich.



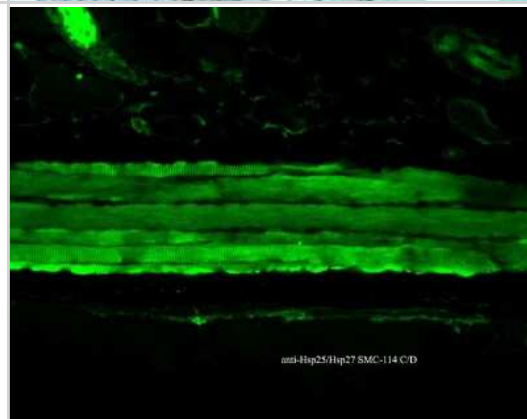
Immunohistochemistry: HSP27 Antibody (8A7) [NB110-96431] - Immunohistochemistry analysis using Mouse Anti-Hsp27 Monoclonal Antibody, Clone 8A7 (NB110-96431). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Hsp27 Monoclonal Antibody (NB110-96431) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Epidermis.



Immunohistochemistry-Paraffin: HSP27 Antibody (8A7) [NB110-96431] - Tissue: colon carcinoma. Species: Human. Fixation: Formalin. Primary Antibody: Mouse Anti-Hsp27 Monoclonal Antibody at 1:5000 for 12 hours at 4C. Secondary Antibody: Biotin Goat Anti-Mouse at 1:2000 for 1 hour at RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 200 ul for 2 minutes at RT. Localization: Inflammatory cells. Magnification: 40x.



Immunohistochemistry: HSP27 Antibody (8A7) [NB110-96431] - Immunohistochemistry analysis using Mouse Anti-Hsp27 Monoclonal Antibody, Clone 8A7 (NB110-96431). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Hsp27 Monoclonal Antibody (NB110-96431) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Epidermis.





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Products Related to NB110-96431

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]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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