

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

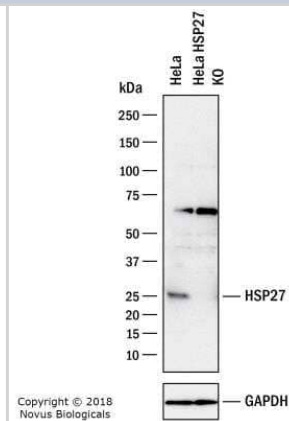
| Product Information | |
|---------------------|--|
| Unit Size | 0.1 mg |
| Concentration | 1 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | 8A7 |
| Preservative | 0.09% Sodium Azide |
| Isotype | IgG1 Kappa |
| Purity | Protein G purified |
| Buffer | PBS, 50% Glycerol |

| Product Description | |
|-------------------------|---|
| 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 |

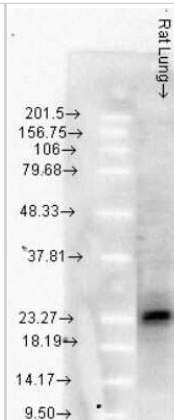
| Product Application Details | |
|-----------------------------|--|
| Applications | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Knockout Validated |
| Recommended Dilutions | Western Blot 1:5000, Flow 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

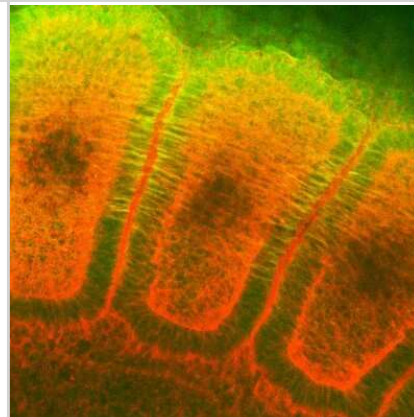
Western Blot: HSP27 Antibody (8A7) [NB110-96431] - Western blot shows lysates of HeLa human cervical epithelial carcinoma parental cell line and HSP27 knockout (KO) HeLa cell line. PVDF membrane was probed with 1:8,000 of Mouse Anti-Human HSP27 Monoclonal Antibody (Catalog # NB110-96431) followed by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



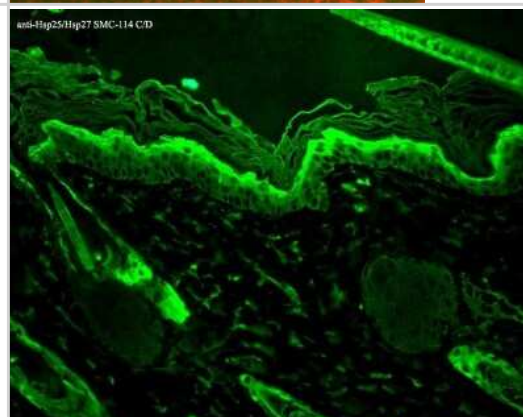
Western Blot: HSP27 Antibody (8A7) [NB110-96431] - analysis of Rat Lung tissue lysates showing detection of Hsp27 protein using Mouse Anti-Hsp27 Monoclonal Antibody, Clone 8A7 . Load: 15 ug protein. Block: 5% blocking solution. Primary Antibody: Mouse Anti-Hsp27 Monoclonal Antibody at 1:1000 for 2 hours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



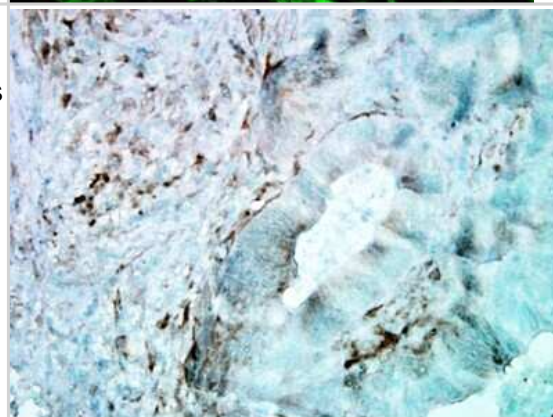
Immunocytochemistry/Immunofluorescence: HSP27 Antibody (8A7) [NB110-96431] - analysis using Mouse Anti-Hsp27 Monoclonal Antibody, Clone 8A7 . Tissue: embryo somites. Species: Rat. Primary Antibody: Mouse Anti-Hsp27 Monoclonal Antibody at 1:1000. Secondary Antibody: FITC Goat Anti-Mouse (green). Counterstain: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



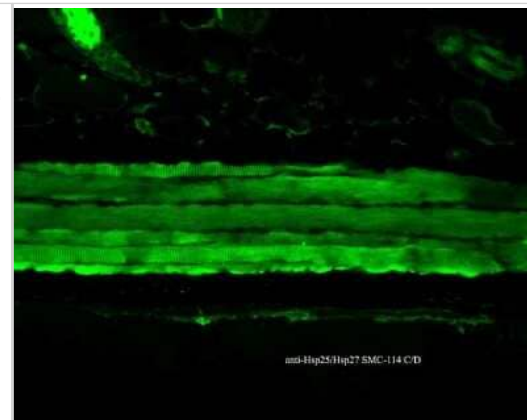
Immunohistochemistry: HSP27 Antibody (8A7) [NB110-96431] - Immunohistochemistry analysis using Mouse Anti-Hsp27 Monoclonal Antibody, Clone 8A7 (NB110-96431). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Hsp27 Monoclonal Antibody (NB110-96431) 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

| | |
|------------------|---|
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB720-B | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) |
| NB110-96431UV | HSP27 Antibody (8A7) [DyLight 350] |

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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