

Product Datasheet

HSP27 Antibody (HSPB1/774) - Azide and BSA Free NBP2-48002-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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NBP2-48002-0.1mg

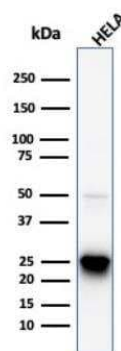
HSP27 Antibody (HSPB1/774) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	HSPB1/774
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	27 kDa
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA. Also available at 200 ug/ml WITH BSA & azide (NBP2-44975). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	3315
Gene Symbol	HSPB1
Species	Human, Mouse, Rat, Chicken, Chimpanzee, Sheep
Reactivity Notes	Human, Chimpanzee, Sheep, Rat, Mouse, and Chicken. Others-not known.
Specificity/Sensitivity	It recognizes a 24-27kDa estrogen-regulated protein, identified as heat shock protein 27 (hsp27). Hsp27 was recently found to be identical to the estrogen-induced protein. About 50% of breast carcinomas are positive for hsp27 especially those that are also positive for estrogen and/or progesterone receptor. HSP27 has also been implicated in drug resistance in cancer cells.
Immunogen	Recombinant human HSP27 protein (Uniprot: P04792)
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence
Recommended Dilutions	Western Blot 0.25 - 0.5 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 0.5 - 1.0 ug/ml, Immunofluorescence 0.5 - 1.0 ug/ml, CyTOF-ready
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

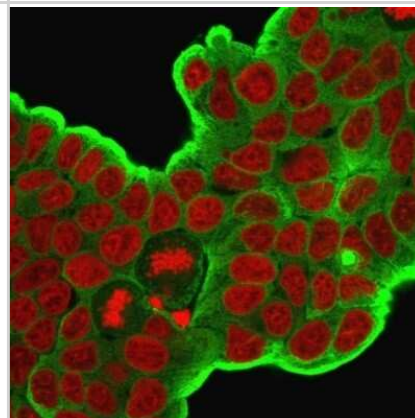


Images

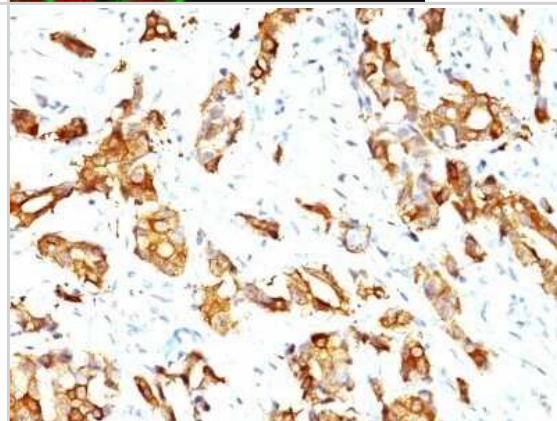
Western Blot: HSP27 Antibody (HSPB1/774) - Azide and BSA Free [NBP2-48002] - Western Blot Analysis of HeLa cell lysate using HSP27 MAbs (HSPB1/774).



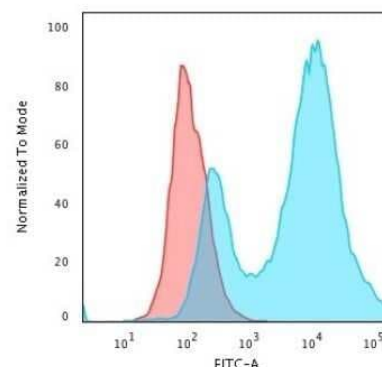
Immunocytochemistry/Immunofluorescence: HSP27 Antibody (HSPB1/774) - Azide and BSA Free [NBP2-48002] - Immunofluorescence Analysis of PFA-fixed MCF-7 cells labeling HSP27 with HSP27 Antibody (HSPB1/774) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Red Dot (Red)



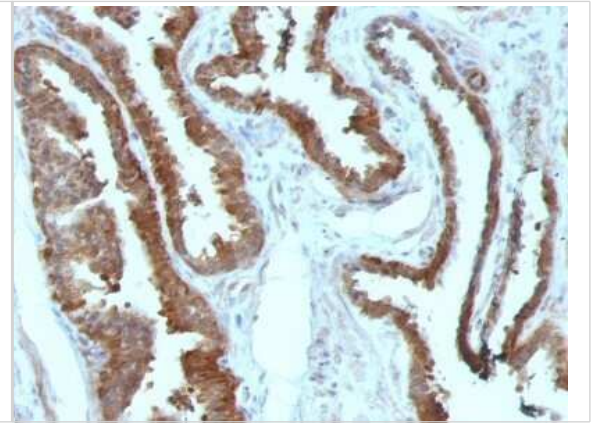
Immunohistochemistry-Paraffin: HSP27 Antibody (HSPB1/774) - Azide and BSA Free [NBP2-48002] - Human Breast Carcinoma stained with HSP27 Monoclonal Antibody (HSPB1/774)



Flow Cytometry: HSP27 Antibody (HSPB1/774) - Azide and BSA Free [NBP2-48002] - Flow Cytometric Analysis of PFA-fixed MCF-7 cells using HSP27 Antibody (HSPB1/774) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunohistochemistry-Paraffin: HSP27 Antibody (HSPB1/774) - Azide and BSA Free [NBP2-48002] - Human Prostate Carcinoma stained with HSP27 Monoclonal Antibody (HSPB1/774)





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Products Related to NBP2-48002-0.1mg

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)
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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