

Product Datasheet

HSP27 Antibody (G3.1) - IHC-Prediluted NBP2-44973

Unit Size: 7 ml

Store at 4C.

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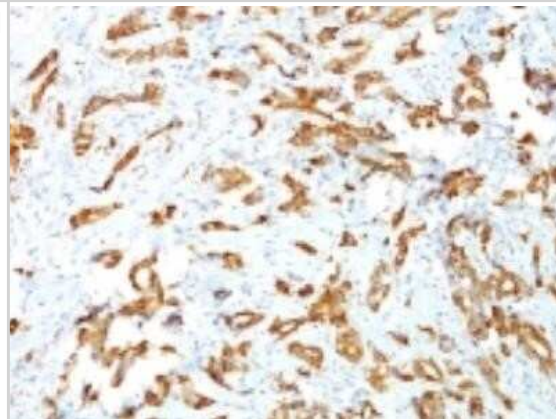


NBP2-44973**HSP27 Antibody (G3.1) - IHC-Prediluted**

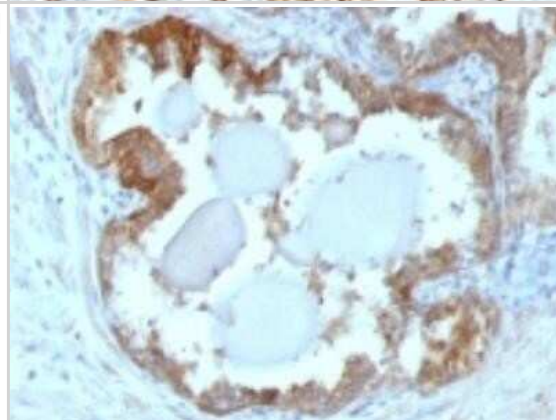
Product Information	
Unit Size	7 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C.
Clonality	Monoclonal
Clone	G3.1
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	27 kDa
Product Description	
Description	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.
Host	Mouse
Gene ID	3315
Gene Symbol	HSPB1
Species	Human, Mouse, Rat, Chicken, Chimpanzee, Monkey, Sheep
Specificity/Sensitivity	monoclonal antibody G3.1 reacts specifically with heat shock protein HSP27 in human and monkey tissues and cell lines such as MCF-7. HSP27, also referred to as the Estrogen-Regulated 24K protein and HSP28, is one of several small heat shock proteins produced by all organisms studied. HSP27 synthesis is induced by elevated temperature, as well as by estrogen in hormone responsive cells. Interestingly, human HSP27 also shares greater than 50% homology with low molecular weight Drosophila HSPs and mammalian alpha-crystalline lens protein. Because of the estrogen responsive nature of HSP27, this protein has been studied extensively in human estrogen responsive tissues such as cervix, endometrium and breast tissue. Therefore, HSP27 may be useful in classifying various hormone sensitive tumors.
Immunogen	Partially purified hsp27 (earlier called 24K) protein from breast cancer MCF-7 cells.
Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin 0.5 - 1.0 ug/ml
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

Immunohistochemistry-Paraffin: HSP27 Antibody (G3.1) - IHC-Prediluted [NBP2-44973] - Formalin-fixed, paraffin-embedded human Breast Carcinome stained with HSP27 Monoclonal Antibody (G3.1)



Immunohistochemistry-Paraffin: HSP27 Antibody (G3.1) - IHC-Prediluted [NBP2-44973] - Formalin-fixed, paraffin-embedded human prostate Carcinoma stained with HSP27 Monoclonal Antibody (G3.1)





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Products Related to NBP2-44973

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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