

Product Datasheet

HSP60 Antibody (HSPD1/780) - Azide and BSA Free NBP2-47843-0.1mg

Unit Size: 0.1 mg

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

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NBP2-47843-0.1mg

HSP60 Antibody (HSPD1/780) - 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	HSPD1/780
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	60 kDa

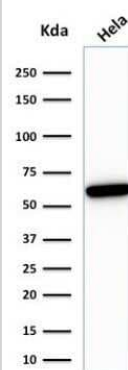
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA. Also available at 200 ug/ml WITH BSA & azide (NBP2-44758). Antibody with azide - store at 2 to 8C.
Host	Mouse
Gene ID	3329
Gene Symbol	HSPD1
Species	Human, Mouse, Rat, Porcine, Bovine, Canine, Chicken, Hamster, Monkey, Rabbit, Sheep
Marker	Mitochondrial Marker
Specificity/Sensitivity	Recognizes a 60kDa protein, identified as the heat shock protein 60 (hsp60). A wide variety of environmental and pathophysiological stressful conditions trigger the synthesis of a family of proteins known as heat shock proteins (hsps). Hsp60 is a potential antigen in a number of autoimmune diseases. In human arthritis and in experimentally induced arthritis in animals, disease development coincides with the development of immune reactivity directed against not only bacterial hsp60, but also against its mammalian homolog.
Immunogen	Recombinant human HSP60 protein (Uniprot: P10809)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, 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, Protein Array, 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.

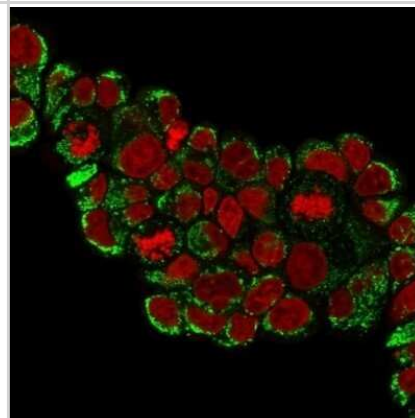


Images

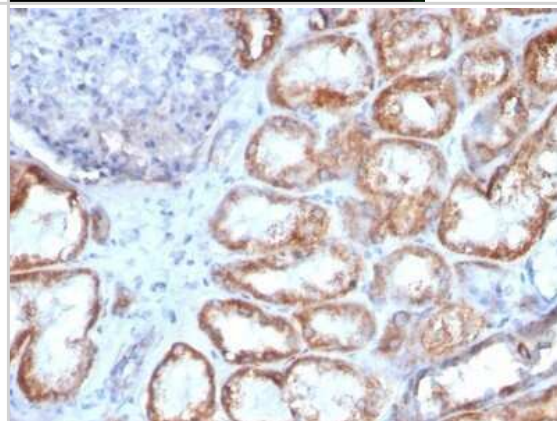
Western Blot: HSP60 Antibody (HSPD1/780) - Azide and BSA Free [NBP2-47843] - Western Blot analysis of HeLa cell lysate using HSP60 Antibody (HSPD1/780)



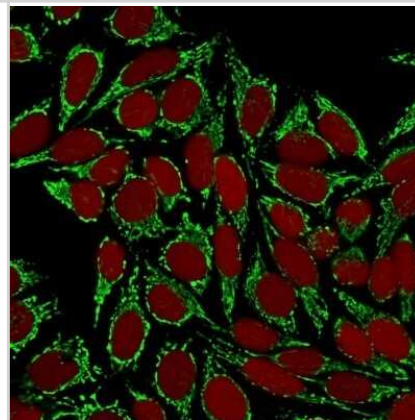
Immunocytochemistry/Immunofluorescence: HSP60 Antibody (HSPD1/780) - Azide and BSA Free [NBP2-47843] - Immunofluorescent staining of PFA-fixed MCF-7 cells. HSP60 Antibody (HSPD1/780) followed by goat anti-Mouse IgG-CF488 (Green). Nuclei are labeled with Red Dot (red).



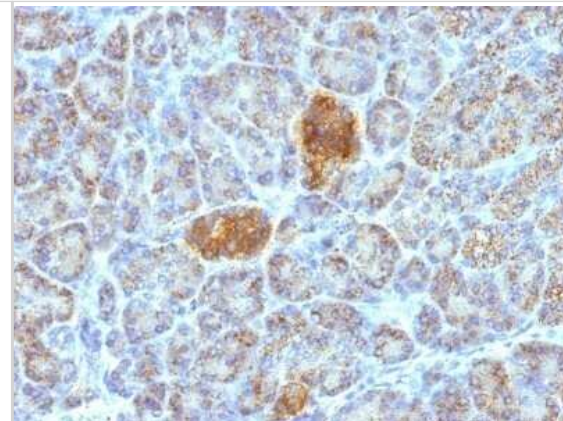
Immunohistochemistry-Paraffin: HSP60 Antibody (HSPD1/780) - Azide and BSA Free [NBP2-47843] - Human Renal Cell Carcinoma stained with HSP60 Monoclonal Antibody (HSPD1/780)



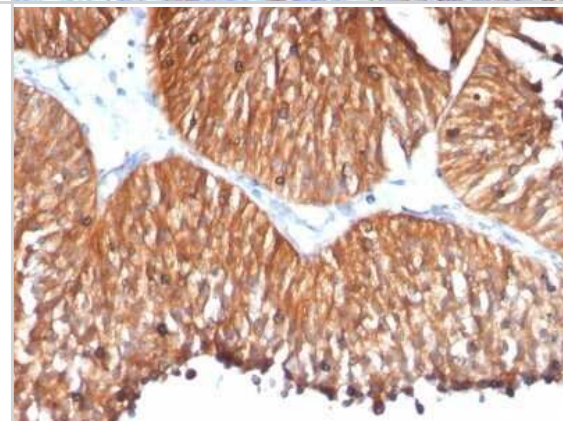
Immunocytochemistry/Immunofluorescence: HSP60 Antibody (HSPD1/780) - Azide and BSA Free [NBP2-47843] - Immunofluorescent staining of MeOH-fixed HeLa cells. HSP60 Antibody (HSPD1/780) followed by goat anti-Mouse IgG-CF488 (green). Nuclei are labeled with Red Dot (red).



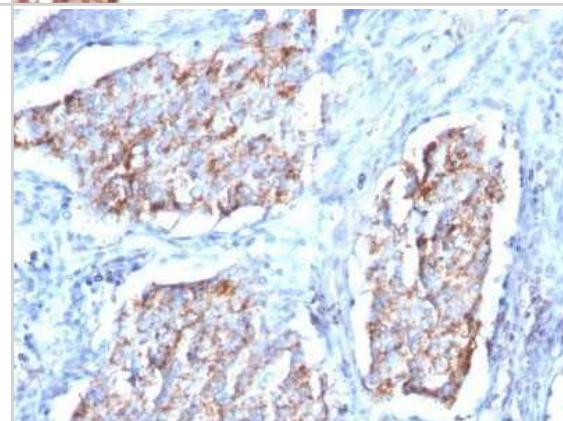
Immunohistochemistry-Paraffin: HSP60 Antibody (HSPD1/780) - Azide and BSA Free [NBP2-47843] - Human Pancreas stained with HSP60 Monoclonal Antibody (HSPD1/780).



Immunohistochemistry-Paraffin: HSP60 Antibody (HSPD1/780) - Azide and BSA Free [NBP2-47843] - Human Bladder Carcinoma stained with HSP60 Monoclonal Antibody (HSPD1/780)



Immunohistochemistry-Paraffin: HSP60 Antibody (HSPD1/780) - Azide and BSA Free [NBP2-47843] - Human Lung Carcinoma stained with HSP60 Monoclonal Antibody (HSPD1/780)



Protein Array: HSP60 Antibody (HSPD1/780) - Azide and BSA Free [NBP2-47843] - Analysis of Protein Array containing more than 19,000 full-length human proteins using HSP60 Antibody (HSPD1/780) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5.





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Products Related to NBP2-47843-0.1mg

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)
NBP1-77397PEP	HSP60 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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