

Product Datasheet

HSP60 Antibody (LK2) - Azide and BSA Free NBP2-34671-0.1mg

Unit Size: 0.1 mg

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

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NBP2-34671-0.1mg

HSP60 Antibody (LK2) - 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	LK2
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 (NBP2-32867). Antibody with azide - store at 2 to 8C.
Host	Mouse
Gene ID	3329
Gene Symbol	HSPD1
Species	Human, Mouse, Rat, Bacteria, S. pyogenes, Chicken, E. coli, Guinea Pig, Hamster, Invertebrate, Parasite, Plant, Monkey, Yeast
Reactivity Notes	Borellia, Streptococcus pyogenes, Yersinia enterocolitica, Salmonella typhimurium, Treponema hyodysenteriae, Treponema innocense, Trichinella spiralis, Helminths, and Spinach.
Marker	Mitochondrial Marker
Specificity/Sensitivity	Recognizes a 60kDa protein, identified as the heat shock protein 60 (HSP60). Its epitope is localized between aa 383-419 of human HSP60. A wide variety of environmental and pathophysiological stressful conditions trigger the synthesis of a family of proteins known as heat shock proteins (hsp s), more appropriately called as stress response proteins (srp s). 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, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 0.25-0.5ug/ml, Simple Western, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 0.5-1ug/ml, Immunohistochemistry-Paraffin, CyTOF-ready

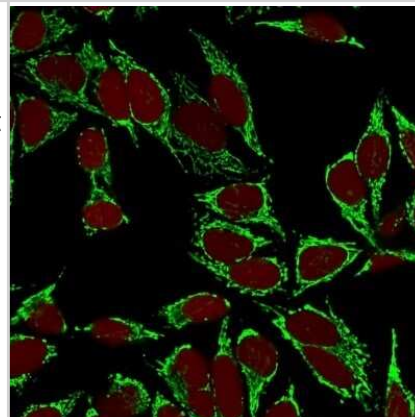
Application Notes

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. In Simple Western only 10 - 15 ul of the recommended dilution is used per data point. Separated by Size.

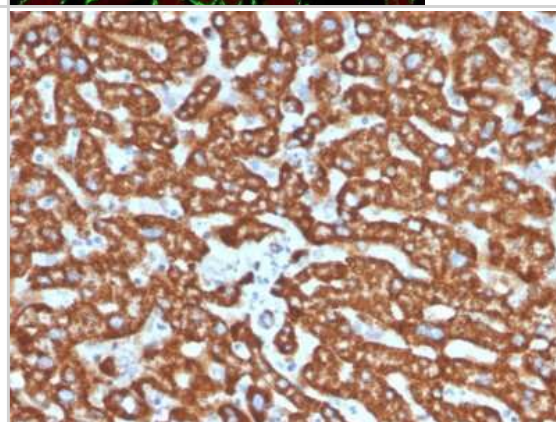


Images

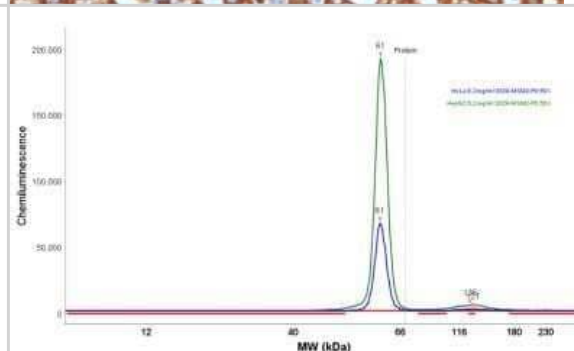
Immunocytochemistry/Immunofluorescence: HSP60 Antibody (LK2) - Azide and BSA Free [NBP2-34671] - Immunofluorescent staining of MEOH-fixed HeLa cells using HSP60 Antibody (LK2) followed by goat anti-Mouse labeled with CF488 (Green); Nuclei are labeled with NucSpot red).



Immunohistochemistry-Paraffin: HSP60 Antibody (LK2) - Azide and BSA Free [NBP2-34671] - Formalin-fixed, paraffin-embedded human liver in colon stained with HSP60 Mouse Monoclonal Antibody (LK2).



Simple Western: HSP60 Antibody (LK2) - Azide and BSA Free [NBP2-34671] - Electropherogram image of the corresponding Simple Western lane. HSP60 antibody was used at 10 ug/ml dilution of HeLa and HepG2 lysates(s) respectively.



Simple Western: HSP60 Antibody (LK2) - Azide and BSA Free [NBP2-34671] - Simple Western lane view shows a specific band for HSP60 in 0.2 mg/ml of HeLa (left) and HepG2 (right) lysate(s). This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Publications

Perez-Gonzalez A, Kniewel R, Veldhuizen M et al. Adaptation of the GoldenBraid modular cloning system and creation of a toolkit for the expression of heterologous proteins in yeast mitochondria. BMC Biotechnol. 2017-11-13 [PMID: 29132331] (WB, Yeast)

Details:

This citation used the Azide and BSA Free form of this antibody





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Products Related to NBP2-34671-0.1mg

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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