

# Product Datasheet

## HSP60 Antibody (GROEL/730) - Azide and BSA Free NBP2-34625-0.1mg

Unit Size: 0.1 mg

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

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Updated 10/23/2024 v.20.1

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**NBP2-34625-0.1mg**

HSP60 Antibody (GROEL/730) - Azide and BSA Free

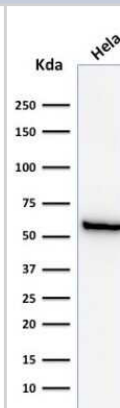
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	GROEL/730
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	60 kDa

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 (NBP2-32868).  Antibody with azide - store at 2 to 8C.
Host	Mouse
Gene ID	3329
Gene Symbol	HSPD1
Species	Human, Mouse (Negative), Rat (Negative)
Reactivity Notes	Does not react with Mouse or Rat.
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. Clone GROEL730 reacts only with human and is useful in distinguishing human HSP60 from other mammalian and bacterial HSP60.
Immunogen	Recombinant human HSP60 protein (Uniprot: P10809)

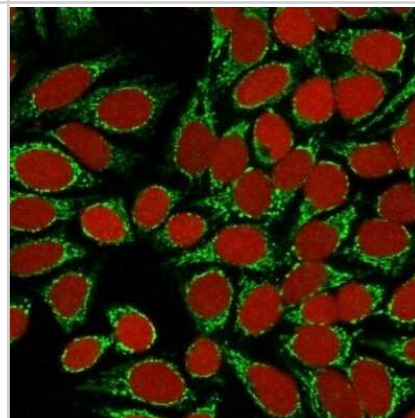
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 0.25-0.5ug/ml, Flow Cytometry 0.5-1ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 0.5-1ug/ml, Immunohistochemistry-Paraffin 0.5-1ug/ml, CyTOF-ready
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues is enhanced by heating tissue sections in 1mM EDTA Buffer, pH 8.5-9.5, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

## Images

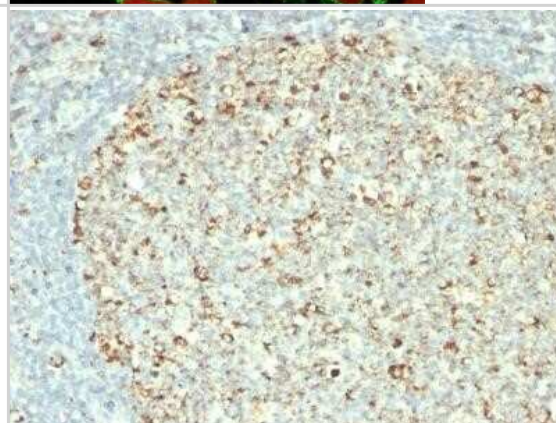
Western Blot: HSP60 Antibody (GROEL/730) - Azide and BSA Free [NBP2-34625] - Western Blot Analysis of HeLa cell lysate using HSP60 Antibody (GROEL/730).



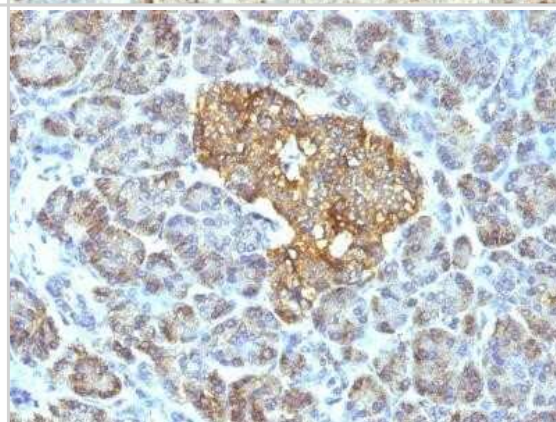
Immunocytochemistry/Immunofluorescence: HSP60 Antibody (GROEL/730) - Azide and BSA Free [NBP2-34625] - Confocal immunofluorescence image of HeLa cells using HSP60 Antibody (GROEL/730). Green (CF488) and Red Dot is used to label the nuclei Red.



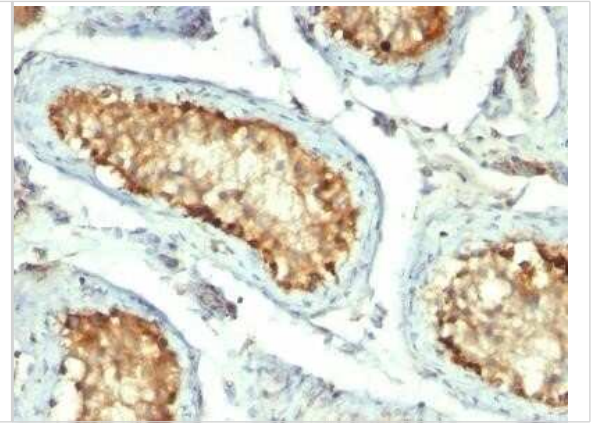
Immunohistochemistry-Paraffin: HSP60 Antibody (GROEL/730) - Azide and BSA Free [NBP2-34625] - Formalin-fixed, paraffin-embedded human Tonsil stained with HSP60 Monoclonal Antibody (GROEL/730).



Immunohistochemistry-Paraffin: HSP60 Antibody (GROEL/730) - Azide and BSA Free [NBP2-34625] - Formalin-fixed, paraffin-embedded human Pancreas stained with HSP60 Monoclonal Antibody (GROEL/730).



Immunohistochemistry-Paraffin: HSP60 Antibody (GROEL/730) - Azide and BSA Free [NBP2-34625] - Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with HSP60 Monoclonal Antibody (GROEL/730)





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### **Products Related to NBP2-34625-0.1mg**

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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)
NBP1-77396PEP	HSP60 Antibody Blocking Peptide

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### **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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