

Product Datasheet

HSP60 Antibody (LK2) [HRP]

NBP2-34671H

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-34671H

HSP60 Antibody (LK2) [HRP]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	LK2
Preservative	No Preservative
Isotype	IgG1 Kappa
Conjugate	HRP
Purity	Protein A or G purified
Buffer	PBS
Product Description	
Description	This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.
Host	Mouse
Gene ID	3329
Gene Symbol	HSPD1
Species	Human, Mouse, Rat, Bacteria, <i>S. pyogenes</i> , Chicken, <i>E. coli</i> , Guinea Pig, Hamster, Invertebrate, Parasite, Plant, Monkey, Yeast
Reactivity Notes	<i>Borellia</i> , <i>Streptococcus pyogenes</i> , <i>Yersinia enterocolitica</i> , <i>Salmonella typhimurium</i> , <i>Treponema hyodysenteriae</i> , <i>Treponema innocense</i> , <i>Trichinella spiralis</i> , 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, Simple Western, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready



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]

Details:

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

Buren S, Young EM, Sweeny EA et al. Formation of Nitrogenase NifDK Tetramers in the Mitochondria of *Saccharomyces cerevisiae* ACS Synth Biol 2017-06-16 [PMID: 28221768] (WB)

Details:

This reference used the HRP version of NBP2-32867.





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Products Related to NBP2-34671H

NBP1-43319H-0.5ml	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [HRP]
NBP1-77397PEP	HSP60 Antibody Blocking Peptide
210-TA-005	TNF-alpha [Unconjugated]
DYC1800-2	HSP60 [Biotin]

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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