Product Datasheet

HSP60 Antibody (4B9/89) - Azide and BSA Free
NBP2-22440-0.025 mg

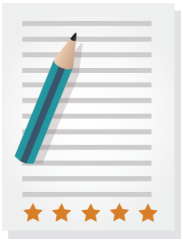
Unit Size: 0.025 mg

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

www.novusbio.com technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-22440

Updated 10/19/2023 v.20.1



NBP2-22440-0.025 mg

HSP60 Antibody (4B9/89) - Azide and BSA Free

Product Information

Unit Size	0.025 mg
Concentration	LYOPH mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4B9/89
Preservative	No Preservative
Reconstitution Instructions	Reconstitute with PBS.
Isotype	IgG2a
Purity	Protein A purified
Buffer	PBS

Product Description

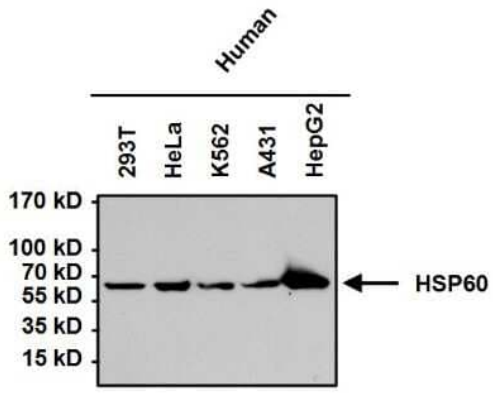
Host	Mouse
Gene ID	3329
Gene Symbol	HSPD1
Species	Human, Mouse, Rat, Primate
Marker	Mitochondria Marker
Immunogen	Human placental HSP60.

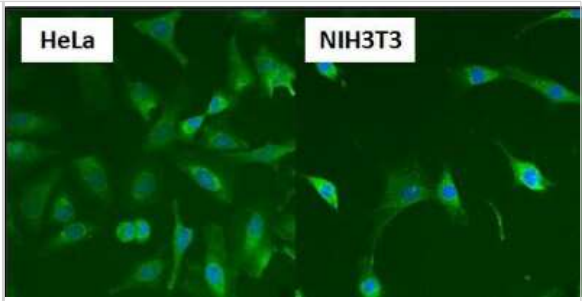
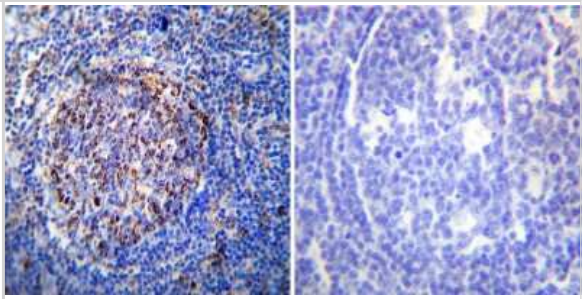
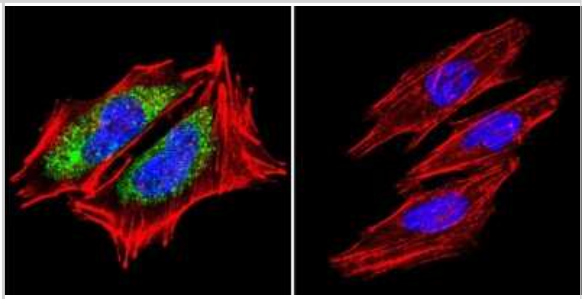
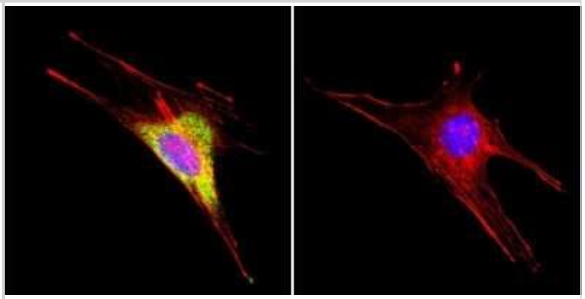
Product Application Details

Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100 - 1:1000, ELISA 1:100 - 1:2000, Immunohistochemistry 1:200, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 2 ug, Immunohistochemistry-Paraffin 1:200

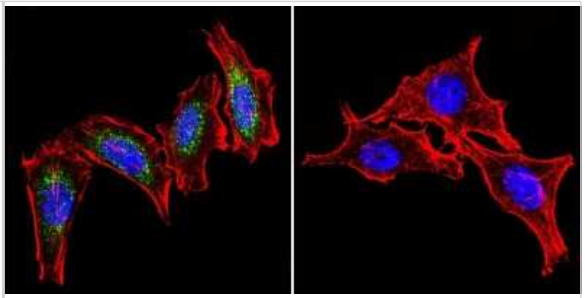
Images

Western Blot: HSP60 Antibody (4B9/89) [NBP2-22440] - Analysis of 50ug of the indicated whole cell lysates and 15ul of PageRuler Prestained Protein Ladder.

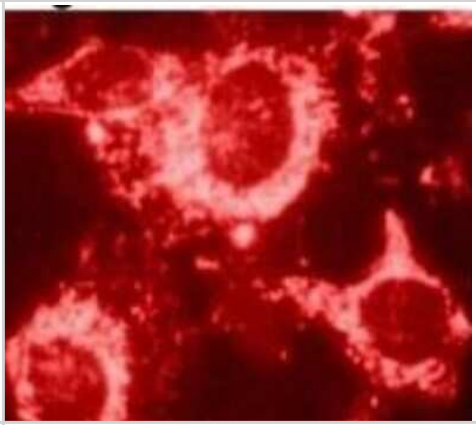


Immunocytochemistry/Immunofluorescence: HSP60 Antibody (4B9/89) [NBP2-22440] - Analysis of Heat Shock Protein 60 (HSP60) (green) in HeLa and NIH3T3 cells. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with a HSP60 monoclonal antibody, at a dilution of 1:50 for at least 1 hour at room temperature, washed with PBS, and incubated with DyLight 488 goat-anti-mouse IgG secondary antibody at a dilution of 1:400 for 30 minutes at room temperature. Nuclei (blue) were stained with Hoechst 33342 dye.	
Immunohistochemistry-Paraffin: HSP60 Antibody (4B9/89) [NBP2-22440] - Normal deparaffinized human Tonsil tissue.	
Immunocytochemistry/Immunofluorescence: HSP60 Antibody (4B9/89) [NBP2-22440] - Analysis of Heat Shock Protein 60 using Anti-Heat Shock Protein 60 Monoclonal Antibody (4B9/89) shows staining in A2058 Cells. Heat Shock Protein 60 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Heat Shock Protein 60 at a dilution of 1:200 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.	
Immunocytochemistry/Immunofluorescence: HSP60 Antibody (4B9/89) [NBP2-22440] - Analysis of Heat Shock Protein 60 using Anti-Heat Shock Protein 60 Monoclonal Antibody (4B9/89) shows staining in ATDC5 Cells. Heat Shock Protein 60 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Heat Shock Protein 60 at a dilution of 1:100 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.	

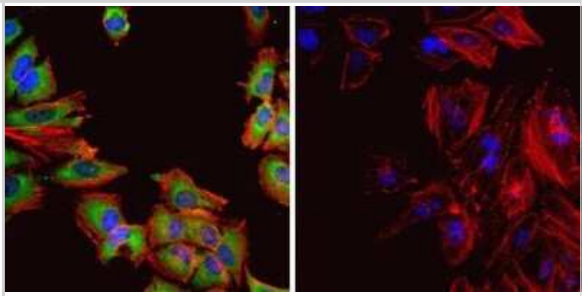
Immunocytochemistry/Immunofluorescence: HSP60 Antibody (4B9/89) [NBP2-22440] - Analysis of Heat Shock Protein 60 using Anti-Heat Shock Protein 60 Monoclonal Antibody (4B9/89) shows staining in Hela Cells. Heat Shock Protein 60 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Heat Shock Protein 60 at a dilution of 1:100 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.



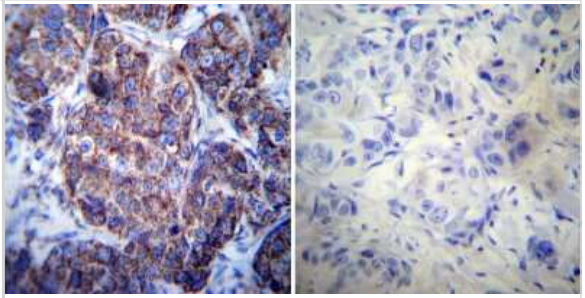
Immunocytochemistry/Immunofluorescence: HSP60 Antibody (4B9/89) [NBP2-22440] - Analysis of Heat Shock Protein 60 using a Hsp60 Monoclonal Antibody in human endothelial cells.

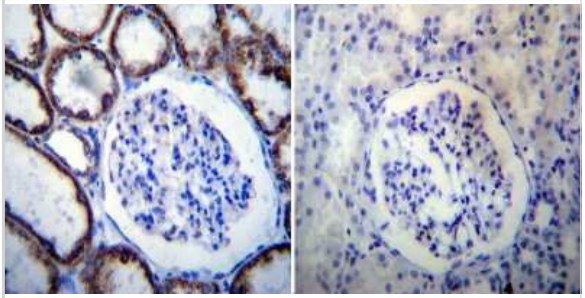
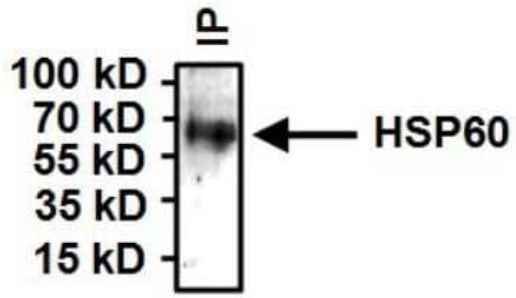


Immunocytochemistry/Immunofluorescence: HSP60 Antibody (4B9/89) [NBP2-22440] - Analysis of Heat Shock Protein 60 (Hsp60, green) in HeLa cells. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with (left panel) or without (right panel) a Hsp60 monoclonal antibody, at a dilution of 1:50 for at least 1 hour at room temperature, washed with PBS, and incubated with DyLight 488 goat-anti-mouse IgG secondary antibody at a dilution of 1:400 for 30 minutes at room temperature. F-Actin (red) was stained with Dylight 554 phalloidin, and nuclei (blue) were stained with Hoechst 33342 dye.



Immunohistochemistry-Paraffin: HSP60 Antibody (4B9/89) [NBP2-22440] - Cancer biopsies of deparaffinized human Breast carcinoma tissue.



Immunohistochemistry-Paraffin: HSP60 Antibody (4B9/89) [NBP2-22440] - Normal deparaffinized human Kidney tissue.	
Immunoprecipitation: HSP60 Antibody (4B9/89) [NBP2-22440] - Analysis of Heat Shock Protein 60 (HSP60) was performed on HeLa cells. Antigen:antibody complexes were formed by incubating 500ug whole cell lysate with 2ug of HSP60 monoclonal antibody overnight on a rocking platform at 4C. The immune complexes were captured on 50ul Protein A/G Plus Agarose, washed extensively, and eluted with Lane Marker Reducing Sample Buffer. Samples were then resolved on a 4-20% Tris-HCl polyacrylamide gel, transferred to a PVDF membrane, and blocked with 5% BSA/TBST for at least 1 hour. The membrane was probed with a HSP60 monoclonal antibody at a dilution of 1:1000 overnight rotating at 4C, washed in TBST, and probed with Clean-Blot IP Detection Reagent (HRP) at a dilution of 1:1000 for at least one hour. Chemiluminescent detection was performed using SuperSignal West Dura.	

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-22440

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications