

# Product Datasheet

## HSP90 beta Antibody (H9010) - BSA Free NB110-61640

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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Updated 9/9/2025 v.20.1

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**NB110-61640**

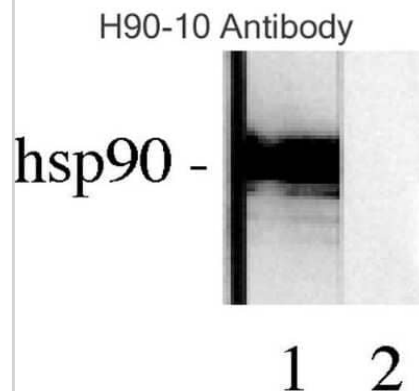
HSP90 beta Antibody (H9010) - BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	H9010
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS (pH 7.2), 50% Glycerol
Product Description	
Description	Novus Biologicals Mouse HSP90 beta Antibody (H9010) - BSA Free (NB110-61640) is a monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and IP. Anti-HSP90 beta Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3326
Gene Symbol	HSP90AB1
Species	Human, Mouse, Rat, Canine, Chicken, Fish, Hamster, Rabbit
Marker	ER Stress Marker
Specificity/Sensitivity	Detects 90 kDa protein. Detects HSP90 beta in all reactive species except in Chicken, where it detects both alpha and beta isoforms.
Immunogen	Recombinant human HSP90beta
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Microarray
Recommended Dilutions	Western Blot 1:2500, ELISA, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Microarray
Application Notes	1 ug/ml of HSP90 antibody was sufficient for detection of HSP90beta in 20 ug of heat shocked HeLa cell lysate by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.



## Images

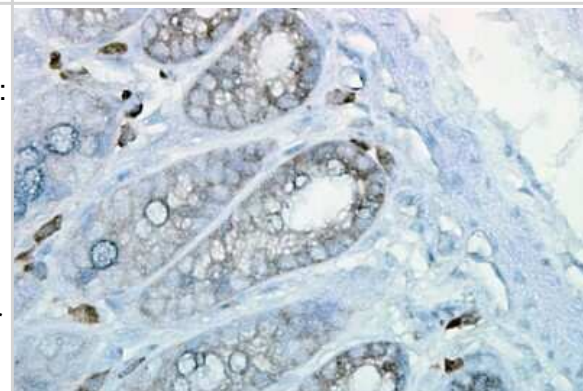
Western Blot: HSP90 beta Antibody (H9010) [NB110-61640] - Western blot analysis of Human Lysates showing detection of Hsp90 protein using Mouse Anti-Hsp90 Monoclonal Antibody, Clone H9010 (NB110-61640). Primary Antibody: Mouse Anti-Hsp90 Monoclonal Antibody (NB110-61640) at 1:1000. Comparison of clone H9010 behavior with Hsp90 human beta (1) and Hsp90 human alpha (2). Courtesy of: David Toft, Mayo Clinic.



Immunocytochemistry/Immunofluorescence: HSP90 beta Antibody (H9010) [NB110-61640] - Tissue: backskin. Species: Mouse. Fixation: Bouins Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Hsp90 Monoclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Epidermis.



Immunohistochemistry: HSP90 beta Antibody (H9010) [NB110-61640] - Immunohistochemistry analysis using Mouse Anti-Hsp90 Monoclonal Antibody, Clone H9010 (NB110-61640). Tissue: inflamed colon. Species: Mouse. Fixation: Formalin. Primary Antibody: Mouse Anti-Hsp90 Monoclonal Antibody (NB110-61640) at 1:10000 for 12 hours at 4C. Secondary Antibody: Biotin Goat Anti-Mouse at 1:2000 for 1 hour at RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 200 I for 2 minutes at RT. Localization: Inflammatory cells. Magnification: 40x. This image was produced using an amplifying IHC wash buffer. The antibody has therefore been diluted more than is recommended for other applications..



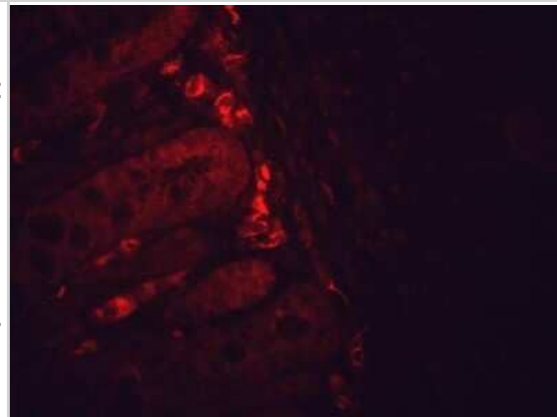
Western Blot: HSP90 beta Antibody (H9010) [NB110-61640] - Human cell lysates from various cell lines showing detection of Hsp90 protein using Mouse Anti-Hsp90 Monoclonal Antibody, Clone H9010. 15 ug protein each lane. Block: 1.5% BSA for 30 minutes at RT. Primary antibody at 1:1000 for 2 hours at RT. Secondary antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.

Rat Brain →  
 T98G →  
 PC3 →  
 MCF7 →  
 Jurkat →  
 HUVEC →  
 HL-60 →  
 HEK293 →  
 HepG2 →  
 HeLa →  
 HCT116 →  
 A549 →  
 A431 →

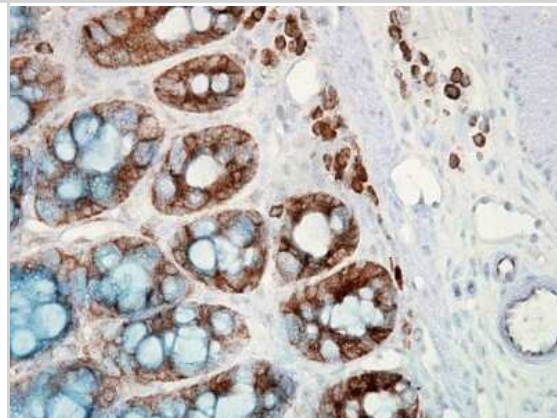
Western Blot: HSP90 beta Antibody (H9010) [NB110-61640] - Western Blot analysis of Human Cervical cancer cell line (HeLa) lysate showing detection of Hsp90 protein using Mouse Anti-Hsp90 Monoclonal Antibody, Clone H9010 (NB110-61640). Primary Antibody: Mouse Anti-Hsp90 Monoclonal Antibody (NB110-61640) at 1:1000. Secondary Antibody: HRP Goat Anti-Mouse.



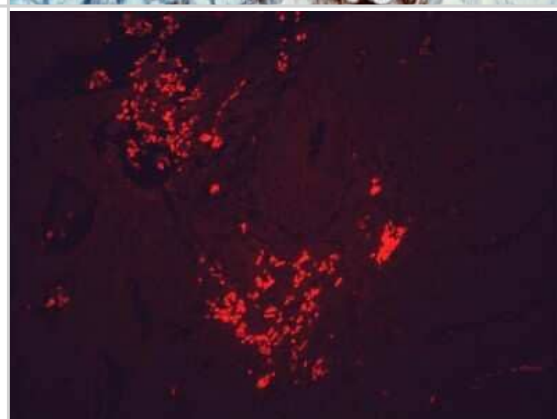
Immunohistochemistry: HSP90 beta Antibody (H9010) [NB110-61640] - Immunohistochemistry analysis using Mouse Anti-Hsp90 Monoclonal Antibody, Clone H9010 (NB110-61640). Tissue: inflamed colon. Species: Mouse. Fixation: Formalin. Primary Antibody: Mouse Anti-Hsp90 Monoclonal Antibody (NB110-61640) at 1:10000 for 12 hours at 4C. Secondary Antibody: Alexa Fluor 555 Goat Anti-Mouse (red) at 1:5000 for 1 hour at RT. Localization: Inflammatory and epithelial mucosa. Magnification: 40x. Inflammatory and epithelial mucosa. This image was produced using an amplifying IHC wash buffer. The antibody has therefore been diluted more than is recommended for other applications..



Immunohistochemistry: HSP90 beta Antibody (H9010) [NB110-61640] - Immunohistochemistry analysis using Mouse Anti-Hsp90 Monoclonal Antibody, Clone H9010 (NB110-61640). Tissue: colon carcinoma. Species: Human. Fixation: Formalin. Primary Antibody: Mouse Anti-Hsp90 Monoclonal Antibody (NB110-61640) at 1:10000 for 12 hours at 4C. Secondary Antibody: Biotin Goat Anti-Mouse at 1:2000 for 1 hour at RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 200 I for 2 minutes at RT. Localization: Inflammatory cells. Magnification: 40x. This image was produced using an amplifying IHC wash buffer. The antibody has therefore been diluted more than is recommended for other applications..



Immunohistochemistry: HSP90 beta Antibody (H9010) [NB110-61640] - Immunohistochemistry analysis using Mouse Anti-Hsp90 Monoclonal Antibody, Clone H9010 (NB110-61640). Tissue: colon carcinoma. Species: Human. Fixation: Formalin. Primary Antibody: Mouse Anti-Hsp90 Monoclonal Antibody (NB110-61640) at 1:10000 for 12 hours at 4C. Secondary Antibody: Alexa Fluor 555 Goat Anti-Mouse (red) at 1:5000 for 1 hour at RT. Magnification: 40x. This image was produced using an amplifying IHC wash buffer. The antibody has therefore been diluted more than is recommended for other applications..



**Publications**

YU D, Yao S, Xi W et al. HSC70, HSPA1A, and HSP90AB1 Facilitate Ebola Virus trVLPs to Induce Chaperone-Mediated Autophagy Research Square 2023-08-18

Muyin Liu, Su Li, Ming Yin, Youran Li, Jinxiang Chen, Yuqiong Chen, You Zhou, Qiyu Li, Fei Xu, Chunfeng Dai, Yan Xia, Ao Chen, Danbo Lu, Zhangwei Chen, Juying Qian, Junbo Ge Pinacidil ameliorates cardiac microvascular ischemia–reperfusion injury by inhibiting chaperone-mediated autophagy of calreticulin Basic Research in Cardiology 2024-01-02 [PMID: 38168863]

Guo B, Xu P, Chai D et al. gB co-immunization with GP96 enhances pulmonary-resident CD8 T cells and exerts a long-term defence against MCMV pneumonitis J Cell Mol Med 2020-11-06 [PMID: 33155438] (WB, Mouse)

**Details:**

Western blot analysis of 3T3 cells transfected with pGP96-NT plasmids.

Yu D, Yao S, Xi W et al. HSC70, HSPA1A, and HSP90AB1 Facilitate Ebola Virus trVLPs to Induce Autophagy bioRxiv 2020-06-22 (WB, KD, Human)

Halbert D, Domenyuk V, Spetzler D et al. Aptamers and uses thereof United States Patent Application US 9958448 B2 2018-01-01





### **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

### **Products Related to NB110-61640**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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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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