

# 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.

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**NB110-61640**

HSP90 beta Antibody (H9010) - BSA Free

**Product Information**

<b>Unit Size</b>	0.2 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	H9010
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG2a
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS (pH 7.2), 50% Glycerol

**Product Description**

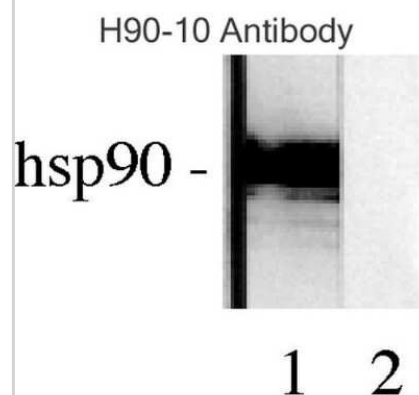
<b>Host</b>	Mouse
<b>Gene ID</b>	3326
<b>Gene Symbol</b>	HSP90AB1
<b>Species</b>	Human, Mouse, Rat, Canine, Chicken, Fish, Hamster, Rabbit
<b>Marker</b>	ER Stress Marker
<b>Specificity/Sensitivity</b>	Detects 90 kDa protein. Detects HSP90 beta in all reactive species except in Chicken, where it detects both alpha and beta isoforms.
<b>Immunogen</b>	Recombinant human HSP90beta

**Product Application Details**

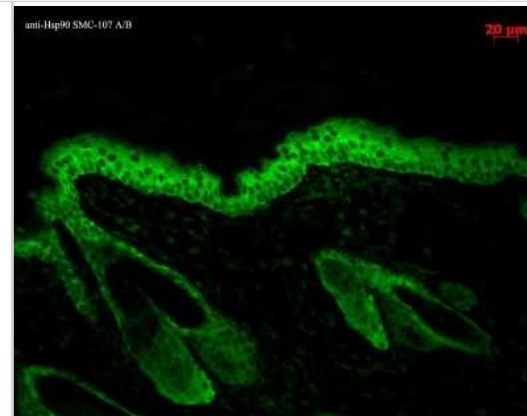
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Microarray
<b>Recommended Dilutions</b>	Western Blot 1:2500, ELISA, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Microarray
<b>Application Notes</b>	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**

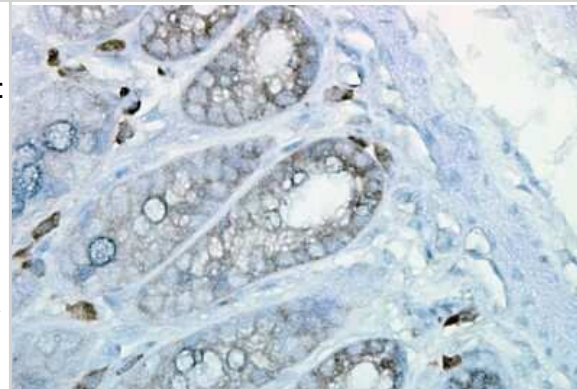
Western Blot: HSP90 beta Antibody (H9010) [NB110-61640] - Western blot analysis of Human Lysates showing detection of Hsp90 protein using Mouse Anti-Hsp90 Monoclonal Antibody, Clone H9010 (NB110-61640). Primary Antibody: Mouse Anti-Hsp90 Monoclonal Antibody (NB110-61640) at 1:1000. Comparison of clone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



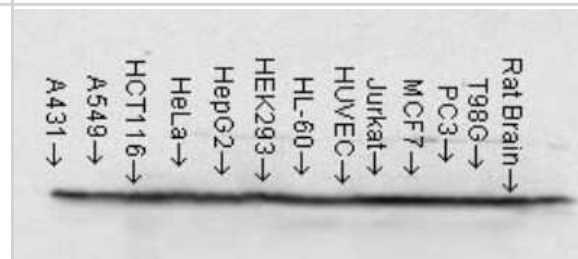
**Immunocytochemistry/Immunofluorescence:** HSP90 beta Antibody (H9010) [NB110-61640] - Tissue: backskin. Species: Mouse. Fixation: Bouins Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Hsp90 Monoclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green)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



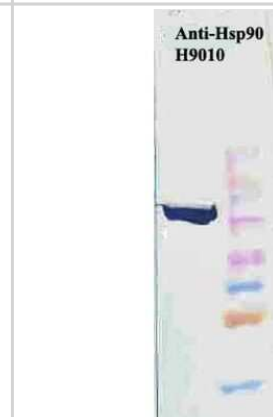
**Immunohistochemistry:** HSP90 beta Antibody (H9010) [NB110-61640] - Immunohistochemistry analysis using Mouse Anti-Hsp90 Monoclonal Antibody, Clone H9010 (NB110-61640). Tissue: inflamed colon. Species: Mouse. Fixation: Formalin. Primary Antibody: Mouse Anti-Hsp90 Monoclonal Antibody (NB110-61640) at 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..



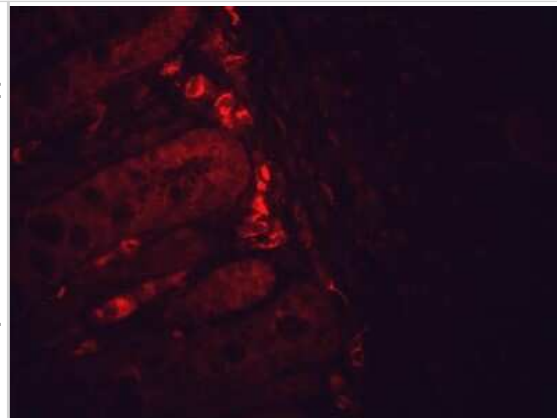
**Western Blot:** HSP90 beta Antibody (H9010) [NB110-61640] - Human cell lysates from various cell lines showing detection of Hsp90 protein using Mouse Anti-Hsp90 Monoclonal Antibody, Clone H9010. 15 ug protein each lane. Block: 1.5% BSA for 30 minutes at RT. Primary antibody at 1:1000 for 2 hours at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



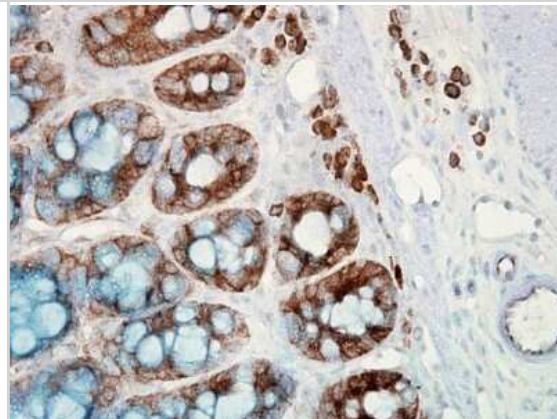
**Western Blot:** HSP90 beta Antibody (H9010) [NB110-61640] - Western Blot analysis of Human Cervical cancer cell line (HeLa) lysate showing detection of Hsp90 protein using Mouse Anti-Hsp90 Monoclonal Antibody, Clone H9010 (NB110-61640). Primary Antibody: Mouse Anti-Hsp90 Monoclonal Antibody (NB110-61640)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



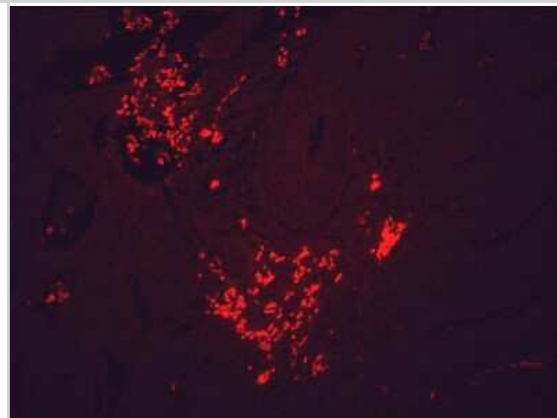
Immunohistochemistry: HSP90 beta Antibody (H9010) [NB110-61640] - Immunohistochemistry analysis using Mouse Anti-Hsp90 Monoclonal Antibody, Clone H9010 (NB110-61640). Tissue: inflamed colon. Species: Mouse. Fixation: Formalin. Primary Antibody: Mouse Anti-Hsp90 Monoclonal Antibody (NB110-61640) at 1:10000 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 l 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



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

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
NB110-61640APC	HSP90 beta Antibody (H9010) [Allophycocyanin]

### **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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