

# Product Datasheet

## HSP90 Antibody (3B6) NB120-5455

Unit Size: 100uL

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

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Updated 10/23/2024 v.20.1

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**NB120-5455****HSP90 Antibody (3B6)**

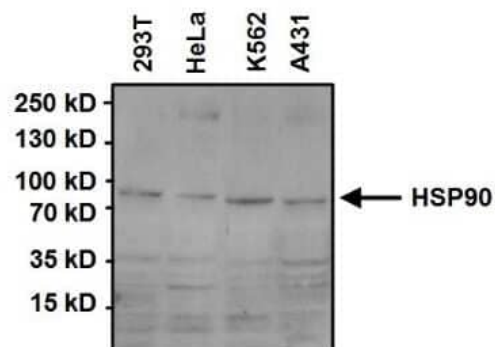
Product Information	
<b>Unit Size</b>	100uL
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	3B6
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG2b
<b>Purity</b>	Unpurified
<b>Buffer</b>	Ascites diluted with PBS

Product Description	
<b>Host</b>	Mouse
<b>Gene ID</b>	3320
<b>Gene Symbol</b>	HSP90AA1
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
<b>Specificity/Sensitivity</b>	Detects heat shock protein 90 kDa (Hsp 90) from human, mouse and rat tissues. This does not detect chicken Hsp 90.
<b>Immunogen</b>	Purified mouse HSP90.

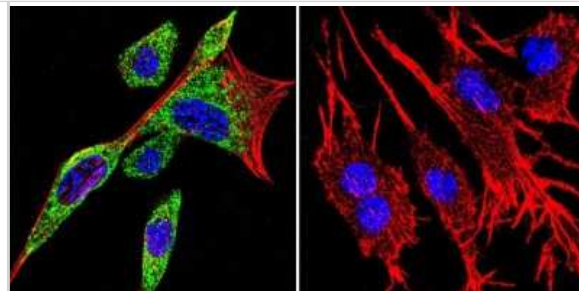
Product Application Details	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500, Immunohistochemistry 1:20, Immunocytochemistry/ Immunofluorescence 1:100 - 1:200, Immunohistochemistry-Paraffin 1:20
<b>Application Notes</b>	WB: Detects an approx. 90 kDa protein representing Hsp 90 from MCF7 cell extract. ab5455 does not immunoprecipitate Hsp 90 in any form (free or complexed).

**Images**

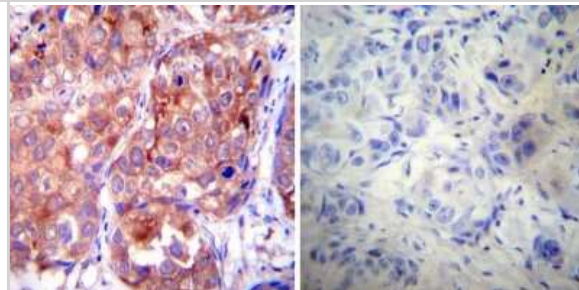
Western Blot: HSP90 Antibody (3B6) [NB120-5455] - Analysis of 50ug of various whole cell lysates and 15ul of PageRuler Prestained Protein Ladder onto a 4-20% Tris-HCl polyacrylamide gel.



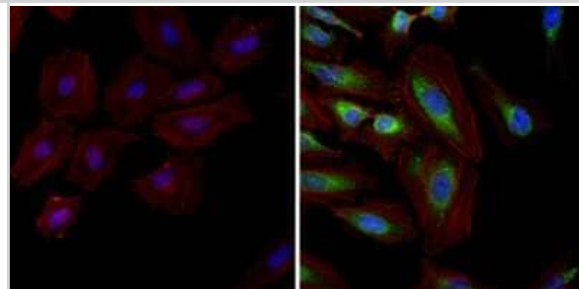
Immunocytochemistry/Immunofluorescence: HSP90 Antibody (3B6) [NB120-5455] - Heat Shock Protein 90 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Heat Shock Protein 90 at a dilution of 1:100-1:200 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.



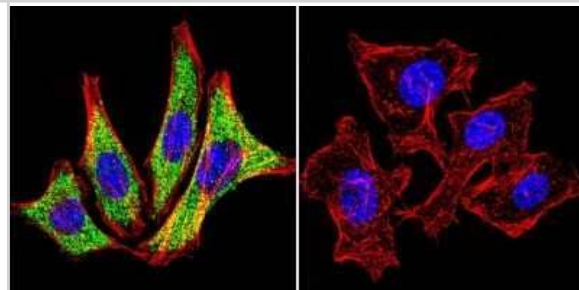
Immunohistochemistry-Paraffin: HSP90 Antibody (3B6) [NB120-5455] - Both normal and cancer biopsies of deparaffinized Human breast carcinoma tissues.



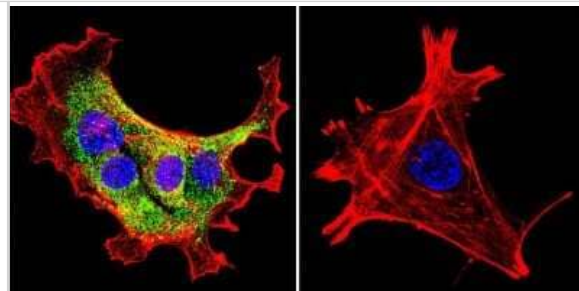
Immunocytochemistry/Immunofluorescence: HSP90 Antibody (3B6) [NB120-5455] - Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed without (left panel) or with (right panel) an HSP90 monoclonal antibody at a dilution of 1:100 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.



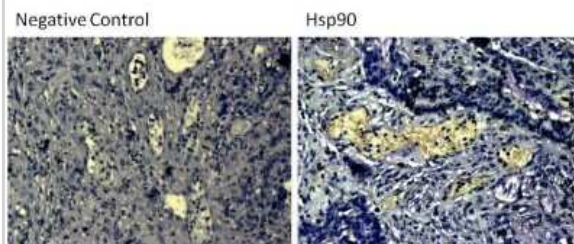
Immunocytochemistry/Immunofluorescence: HSP90 Antibody (3B6) [NB120-5455] - Heat Shock Protein 90 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Heat Shock Protein 90 at a dilution of 1:100-1:200 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.



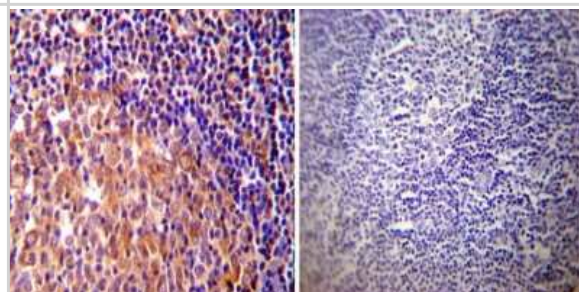
Immunocytochemistry/Immunofluorescence: HSP90 Antibody (3B6) [NB120-5455] - Heat Shock Protein 90 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Heat Shock Protein 90 at a dilution of 1:100-1:200 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.



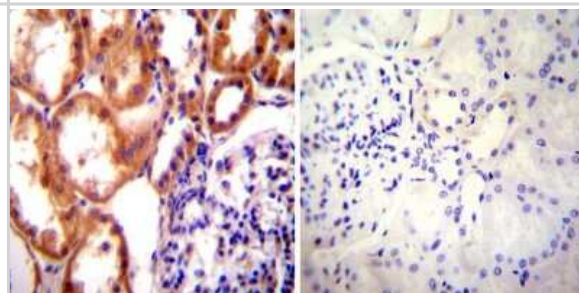
Immunohistochemistry-Paraffin: HSP90 Antibody (3B6) [NB120-5455] - Staining of human colon cancer tissue sections.



Immunohistochemistry-Paraffin: HSP90 Antibody (3B6) [NB120-5455] - Both normal and cancer biopsies of deparaffinized Human tonsil tissues.



Immunohistochemistry-Paraffin: HSP90 Antibody (3B6) [NB120-5455] - Both normal and cancer biopsies of deparaffinized Human kidney tissues.



## Publications

Mullen N, Donlon PT, Sebek J et al. Sublethal hyperthermia transiently disrupts Cortisol steroidogenesis in adrenocortical cells Endocrinology 2023-03-18 [PMID: 36932649] (WB, Human)



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### **Products Related to NB120-5455**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NBC1-18362	Recombinant Human HSP90 His Protein

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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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