Product Datasheet

HSP90 Antibody (4F3.E8) - BSA Free
NBP2-12878-200ug

Unit Size: 200 ug

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

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NBP2-12878-200ug

HSP90 Antibody (4F3.E8) - BSA Free

Product Information

Unit Size	200 ug
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4F3.E8
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS (pH 7.2), 50% Glycerol
Target Molecular Weight	90 kDa

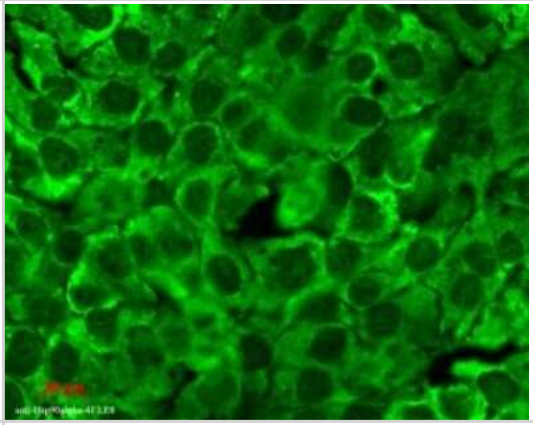
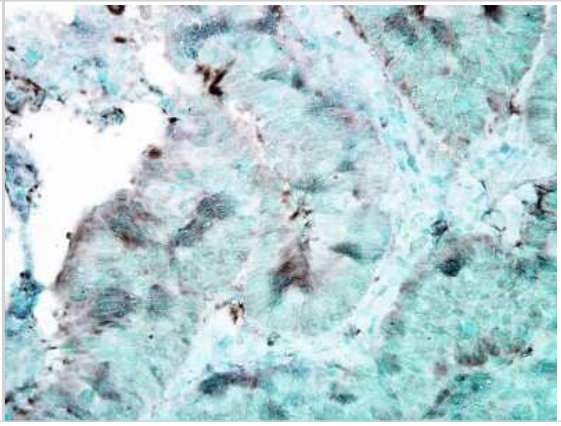
Product Description

Description	Novus Biologicals Mouse HSP90 Antibody (4F3.E8) - BSA Free (NBP2-12878) is a monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and IP. Anti-HSP90 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3320
Gene Symbol	HSP90AA1
Species	Human, Mouse, Rat, Plant
Reactivity Notes	Immunogen displays sequence identity for non-tested species: Wheat (Triticum spp).
Specificity/Sensitivity	Detects approx 90kDa. This antibody detects both a and B forms of HSP90 equally well.
Immunogen	Recombinant Human HSP90 purified from E.coli

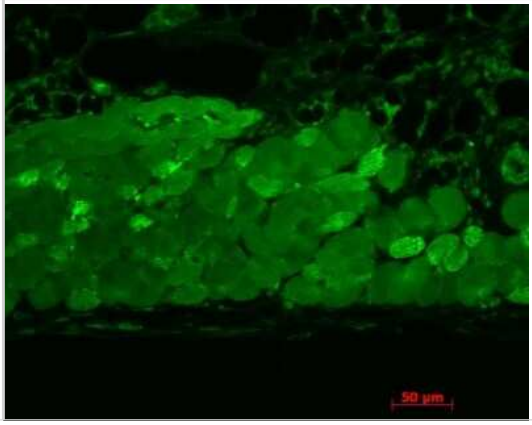
Product Application Details

Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Electron Microscopy, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000, ELISA, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence 1:100, Immunoprecipitation, Immunohistochemistry-Paraffin 1:10-1:500, Electron Microscopy
Application Notes	0.5 ug/ml of HSP90 (total) Antibody was sufficient for detection of HSP90alpha 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 Antibody (4F3.E8) [NBP2-12878] - Western Blot analysis of Rat tissue lysate showing detection of Hsp90 protein using Mouse Anti-Hsp90 Monoclonal Antibody, Clone 4F3.E8 (NBP2-12878). Load: 15 ug. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-Hsp90 Monoclonal Antibody (NBP2-12878) at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.	
Immunocytochemistry/Immunofluorescence: HSP90 Antibody (4F3.E8) [NBP2-12878] - Tissue: HaCaT cells. Species: Human. Fixation: Cold 100% methanol for 10 minutes at -20C. 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.	
Immunohistochemistry: HSP90 Antibody (4F3.E8) [NBP2-12878] - Immunohistochemistry analysis using Mouse Anti-Hsp90 Monoclonal Antibody, Clone 4F3.E8 (NBP2-12878). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Hsp90 Monoclonal Antibody (NBP2-12878) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.	
Immunohistochemistry: HSP90 Antibody (4F3.E8) [NBP2-12878] - Immunohistochemistry analysis using Mouse Anti-Hsp90 Monoclonal Antibody, Clone 4F3.E8 (NBP2-12878). Tissue: colon carcinoma. Species: Human. Fixation: Formalin. Primary Antibody: Mouse Anti-Hsp90 Monoclonal Antibody (NBP2-12878) at 1:100000 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.	

Immunohistochemistry: HSP90 Antibody (4F3.E8) [NBP2-12878] - Immunohistochemistry analysis using Mouse Anti-Hsp90 Monoclonal Antibody, Clone 4F3.E8 (NBP2-12878). Tissue: muscle tissue. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Hsp90 Monoclonal Antibody (NBP2-12878) at 1:1000 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.



Publications

Pecci A, Necchi V, Barozzi S et al. Particulate cytoplasmic structures with high concentration of ubiquitin-proteasome accumulate in myeloid neoplasms J Hematol Oncol. 2015-06-20 [PMID: 26081257] (EM, Human)

O'Neill AJ, Prencipe M, Dowling C et al. Characterisation and manipulation of docetaxel resistant prostate cancer cell lines. Mol Cancer. 2011-10-01 [PMID: 21982118]

Fellerer C, Schweiger R, Schongruber K et al. Cytosolic HSP90 cochaperones HOP and FKBP interact with freshly synthesized chloroplast preproteins of Arabidopsis. Mol Plant. 2011-11-01 [PMID: 21596689]

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Products Related to NBP2-12878-200ug

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)

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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