

Product Datasheet

HSF1 Antibody (4B4) - BSA Free NBP2-42206

Unit Size: 0.1 mg

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

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NBP2-42206

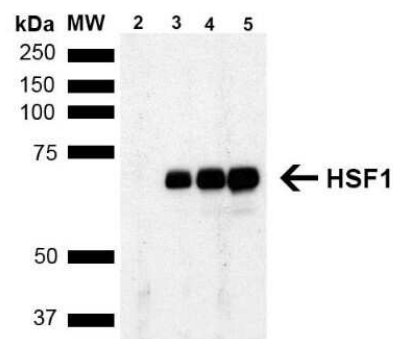
HSF1 Antibody (4B4) - BSA Free

Product Information	
Unit Size	0.1 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	4B4
Preservative	0.1% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Description	Novus Biologicals Rat HSF1 Antibody (4B4) - BSA Free (NBP2-42206) is a monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
Gene ID	3297
Gene Symbol	HSF1
Species	Human, Mouse, Rat, Bovine, Guinea Pig, Hamster, Monkey, Rabbit
Reactivity Notes	Immunogen displays sequence identity for non-tested species: Human, Rat, Bovine, Guinea Pig, Hamster, Monkey and Rabbit.
Specificity/Sensitivity	Detects approx 85kDa (unstressed cell lysates) and approx 95kDa (heat shocked cell lysates).
Immunogen	Purified recombinant mouse HSF1 protein, epitope mapping to amino acids 425-439
Product Application Details	
Applications	Western Blot, ELISA, Gel Super Shift Assays, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, ELISA, Immunohistochemistry 1:2000, Immunocytochemistry/ Immunofluorescence 1:100, Immunoprecipitation, Gel Super Shift Assays
Application Notes	1 ug/ml of HSF1 Antibody was sufficient for detection of HSF1 in 20 ug of heat shocked HeLa cell lysate by colorimetric immunoblot analysis using Rabbit anti-rat IgG: AP as the secondary Antibody.



Images

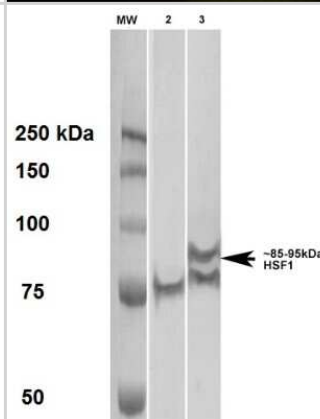
Western Blot: HSF1 Antibody (4B4) [NBP2-42206] - Western Blot analysis of Human Breast adenocarcinoma cell line (MCF7) showing detection of ~65 kDa HSF1 protein using Rat Anti-HSF1 Monoclonal Antibody, Clone 4B4 (NBP2-42206). Lane 1: MW ladder. Lane 2: HSF1 null lysate prepared from mouse embryonic fibroblasts. Lane 3: MCF7 lysate (5 ug). Lane 4: MCF7 lysate (10 ug). Lane 5: MCF7 lysate (20 ug). Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Rat Anti-HSF1 Monoclonal Antibody (NBP2-42206) at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Rat IgG: HRP for 1 hour at RT. Predicted/Observed Size: ~65 kDa. Courtesy of: Dr. Sandro Santagata, Harvard Medical School.



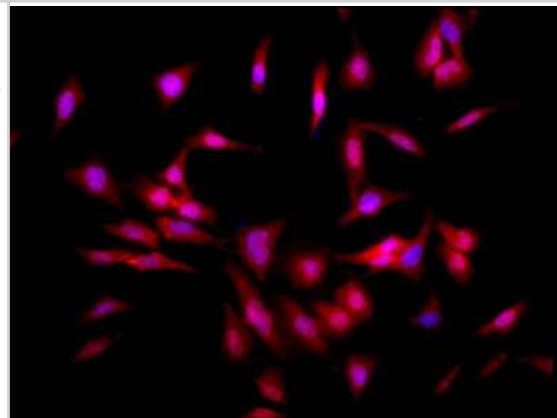
Immunocytochemistry/Immunofluorescence: HSF1 Antibody (4B4) [NBP2-42206] - Tissue: Heat Shocked HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rat Anti-HSF1 Monoclonal Antibody at 1:100 for 12 hours at 4C. Secondary Antibody: R-PE Goat Anti-Rat (yellow) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Cytoplasm. Localizes to the nucleus upon activation. Magnification: 100x. Heat Shocked at 42C for 1h.



Western Blot: HSF1 Antibody (4B4) [NBP2-42206] - analysis of Human A431 and HEK293 cell lysates showing detection of HSF1 protein using Rat Anti-HSF1 Monoclonal Antibody, Clone 4B4. Primary Antibody: Rat Anti-HSF1 Monoclonal Antibody at 1:1000.



Immunocytochemistry/Immunofluorescence: HSF1 Antibody (4B4) [NBP2-42206] - Tissue: Heat Shocked HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rat Anti-HSF1 Monoclonal Antibody at 1:100 for 12 hours at 4C. Secondary Antibody: APC Goat Anti-Rat (red) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Cytoplasm. Localizes to the nucleus upon activation. Magnification: 20x. Heat Shocked at 42C for 1h.





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Products Related to NBP2-42206

HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
F0105B	Goat anti-Rat IgG Secondary Antibody [Phycoerythrin]
DDXCR01	Rat IgG1 Isotype Control
NBC1-18373	Recombinant Human HSF1 His Protein

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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