

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

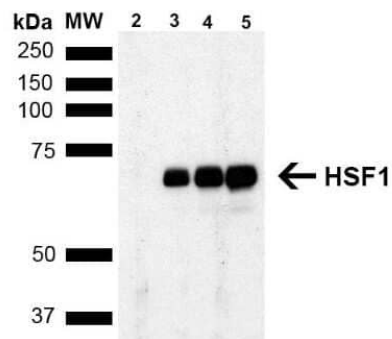
HSF1 Antibody (4B4) - BSA Free

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

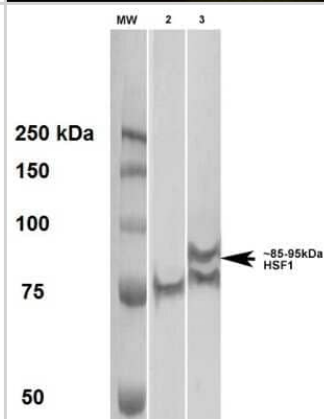
Western Blot: HSF1 Antibody (4B4) [NBP2-42206] - Western Blot analysis of Human Breast adenocarcinoma cell line (MCF7) showing detection of ~65 kDa HSF1 protein using Rat Anti-HSF1 Monoclonal Antibody, Clone 4B4 (NBP2-42206). Lane 1: MW ladder. Lane 2: HSF1 null lysate prepared from mouse embryonic fibroblasts. 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.



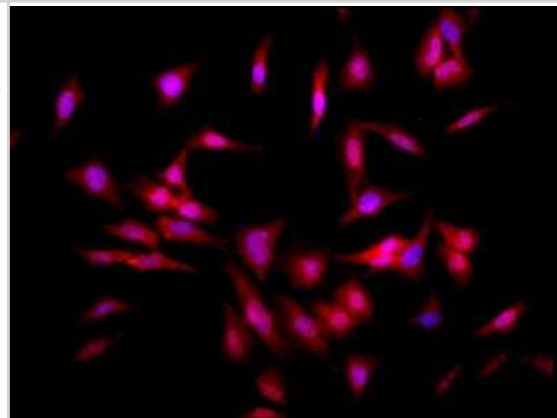
Immunocytochemistry/Immunofluorescence: HSF1 Antibody (4B4) [NBP2-42206] - Tissue: Heat Shocked HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rat Anti-HSF1 Monoclonal Antibody at 1:100 for 12 hours at 4C. Secondary Antibody: R-PE Goat Anti-Rat (yellow) at 1:200 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

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
DDXCR01	Rat IgG1 Isotype Control

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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