

# Product Datasheet

## HSF1 Antibody (10H4) - BSA Free NBP2-42205

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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**NBP2-42205**

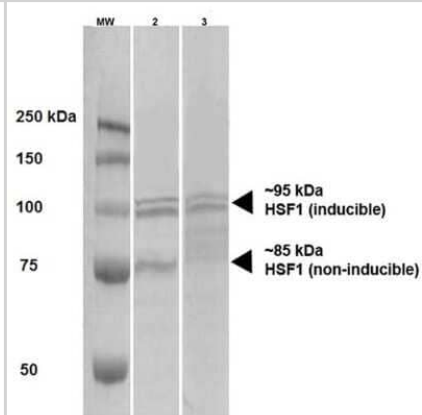
HSF1 Antibody (10H4) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 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>	10H4
<b>Preservative</b>	0.1% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS (pH 7.4), 50% Glycerol
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rat HSF1 Antibody (10H4) - BSA Free (NBP2-42205) 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.
<b>Host</b>	Rat
<b>Gene ID</b>	3297
<b>Gene Symbol</b>	HSF1
<b>Species</b>	Human, Mouse, Rat, Bovine, Guinea Pig, Hamster, Monkey, Rabbit
<b>Specificity/Sensitivity</b>	Detects approx 85kDa (unstressed cell lysates) and approx 95kDa (heat shocked cell lysates).
<b>Immunogen</b>	Purified recombinant mouse HSF1 protein
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Gel Super Shift Assays, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:1000, ELISA, Immunohistochemistry 1:8000, Immunocytochemistry/ Immunofluorescence 1:100, Immunoprecipitation, Immunohistochemistry-Paraffin 1:8000, Gel Super Shift Assays
<b>Application Notes</b>	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.

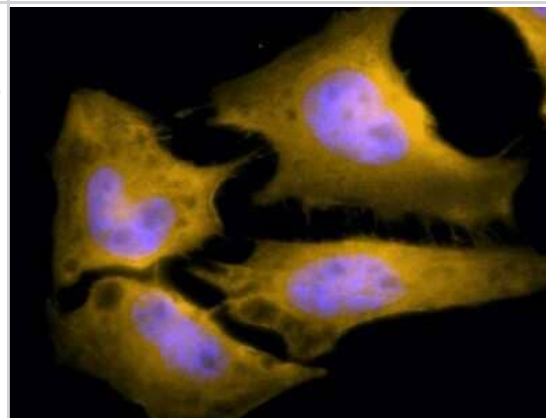


## Images

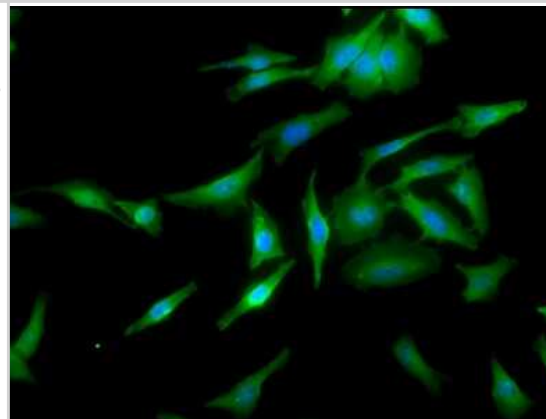
Western Blot: HSF1 Antibody (10H4) [NBP2-42205] - Western Blot analysis of Human A431 and HEK293 cell lysates showing detection of HSF1 protein using Rat Anti-HSF1 Monoclonal Antibody, Clone 10H4 (NBP2-42205). Primary Antibody: Rat Anti-HSF1 Monoclonal Antibody (NBP2-42205) at 1:1000.



Immunocytochemistry/Immunofluorescence: HSF1 Antibody (10H4) [NBP2-42205] - 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.



Immunocytochemistry/Immunofluorescence: HSF1 Antibody (10H4) [NBP2-42205] - 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: FITC Goat Anti-Rat (green) 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 NBP2-42205**

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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

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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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