

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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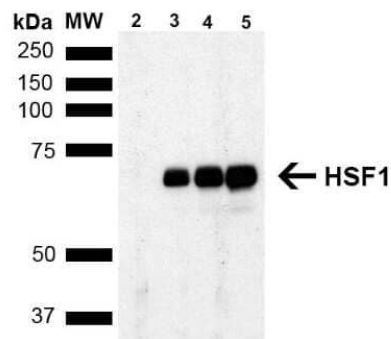
NBP2-42206

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 | |
| 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

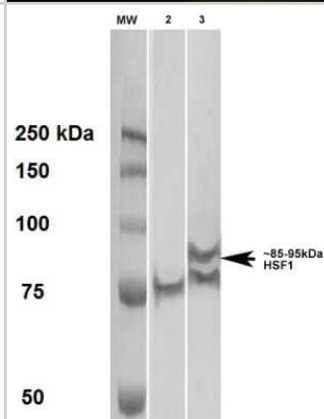
Western Blot: HSF1 Antibody (4B4) [NBP2-42206] - Western Blot analysis of Human Breast adenocarcinoma cell line (MCF7) showing detection of ~65 kDa HSF1 protein using Rat Anti-HSF1 Monoclonal Antibody, Clone 4B4 (NBP2-42206). Lane 1: MW ladder. Lane 2: HSF1 null lysate prepared from mouse embryonic fibroblasts.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



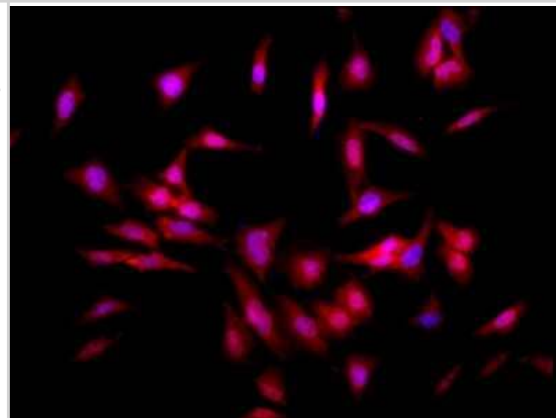
Immunocytochemistry/Immunofluorescence: HSF1 Antibody (4B4) [NBP2-42206] - Tissue: Heat Shocked HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rat Anti-HSF1 Monoclonal Antibody at 1:100 for 12 hours at 4C. Secondary Antibody: R-PE Goat Anti-Rat (yellow) at 1:200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