

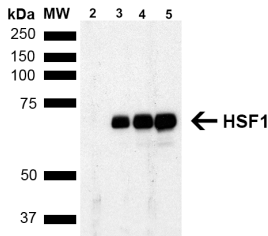
Anti-HSF1 Antibody [4B4] (A305103)

Specifications:

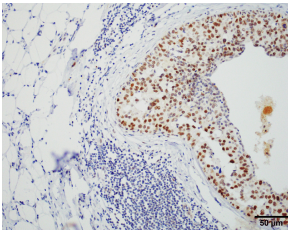
Name:	Anti-HSF1 Antibody [4B4]
Description:	Rat monoclonal [4B4] antibody to HSF1.
Specificity:	Bands correspond to unstressed cell lysates and heat shocked cell lysates.
Applications:	WB, IHC, ICC/IF, IP, ELISA, Gel Shift
Recommended Dilutions:	WB: 1:1,000, IHC: 1:2,000, ICC/IF: 1:100
Reactivity:	Human, Mouse, Rat, Bovine, Guinea Pig, Hamster, Monkey, Rabbit
Immunogen:	Purified recombinant mouse HSF1 protein, epitope mapping to amino acids 425-439.
Host:	Rat
Clonality:	Monoclonal
Clone ID:	4B4
Isotype:	IgG1
Conjugate:	Unconjugated
Purification:	Protein G purification.
Concentration:	1 mg/ml
Molecular Weight:	~85 kDa / ~95 kDa
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline, pH 7.4, with 50% Glycerol and 0.1% Sodium Azide
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

Anti-HSF1 Antibody [4B4] (A305103)

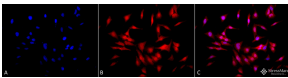
Images:



Western blot analysis of human Breast adenocarcinoma cell line (MCF7) showing detection of ~65 kDa HSF1 protein using Anti-HSF1 Antibody [4B4] (A305103) at 1:1,000 for 2 hours at room temperature. Lane 1: MW ladder. Lane 2: HSF1 null lysate prepared from mouse embryonic fibroblasts. Lane 3: MCF7 lysate (5 µg). Lane 4: MCF7 lysate (10 µg). Lane 5: MCF7 lysate (20 µg). Block: 1.5% BSA for 30 minutes at room temperature. The secondary antibody used was Goat Anti-Rat IgG: HRP for 1 hour at room temperature. Predicted/Observed Size: ~65 kDa.



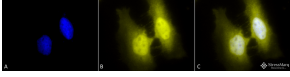
Immunohistochemistry analysis of human breast carcinoma, fixed in 10% formalin solution for 20 hours at room temperature. The Primary Antibody used was Anti-HSF1 Antibody [4B4] (A305103) at 1:2000 for 40 min. The secondary antibody used was Dako labeled Polymer HRP Anti-rat IgG, DAB Chromogen (brown) (Dako Envision+ System) for 30 minutes at room temperature. Counterstain: Mayer's Hematoxylin (purple/blue) nuclear stain for 1 minute at room temperature. Localization: Nuclear. Magnification: 100X.



Immunocytochemistry/Immunofluorescence analysis of human heat shocked cervical cancer cell line (HeLa), fixed in 2% formaldehyde for 20 minutes at room temperature, using Anti-HSF1 Antibody [4B4] (A305103), at 1:100 for 12 hours at 4°C. The secondary antibody used was APC Goat Anti-Rat (red) at 1:200 for 2 hours at room temperature. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at room temperature. Localization: Cytoplasm. Localizes to the nucleus upon activation. Magnification: 20x. (A) DAPI (blue) nuclear stain. (B) Anti-HSF1 Antibody. (C) Composite. Heat Shocked at 42°C for 1h.

Anti-HSF1 Antibody [4B4] (A305103)

Images continued:



Immunocytochemistry/Immunofluorescence analysis of human heat shocked cervical cancer cell line (HeLa), fixed in 2% formaldehyde for 20 minutes at room temperature, using Anti-HSF1 Antibody [4B4] (A305103), at 1:100 for 12 hours at 4°C. The secondary antibody used was R-PE Goat Anti-Rat (yellow) at 1:200 for 2 hours at room temperature.

Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at room temperature.

Localization: Cytoplasm. Localizes to the nucleus upon activation. Magnification: 100x.(A)

DAPI (blue) nuclear stain. (B) Anti-HSF1 Antibody. (C) Composite. Heat Shocked at 42°C for 1h.