

bsm-63270R**[Primary Antibody]**

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HSF1 Recombinant Rabbit mAb

DATASHEET

Host: Rabbit**Clonality:** Recombinant**GeneID:** 3297**Target:** HSF1**Isotype:** IgG**CloneNo.:** 4F3**SWISS:** Q00613**Immunogen:** A synthesized peptide derived from human HSF1: 485-529.**Purification:** affinity purified by Protein A

Storage: 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.

Background: Functions as a stress-inducible and DNA-binding transcription factor that plays a central role in the transcriptional activation of the heat shock response (HSR), leading to the expression of a large class of molecular chaperones, heat shock proteins (HSPs), that protect cells from cellular insult damage.

Applications: WB (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1µg/Test)
ICC/IF (1:50-200)
IP (1:20-50)

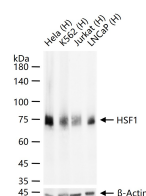
Reactivity: Human

Predicted
MW.: 57 kDa

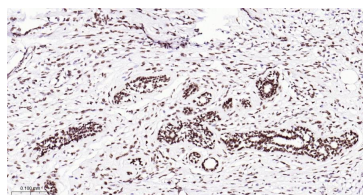
Observed
MW.: 75-80 kDa

Subcellular
Location: Cytoplasm ,Nucleus

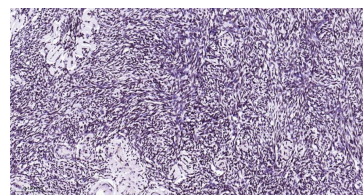
VALIDATION IMAGES



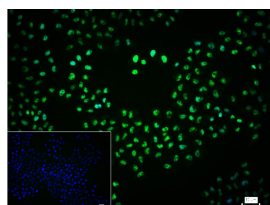
25 µg total protein per lane of various lysates (see on figure) probed with HSF1 monoclonal antibody, unconjugated (bsm-63270R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



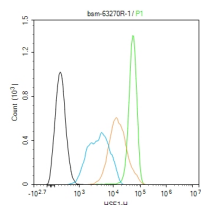
Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with HSF1 Monoclonal Antibody, Unconjugated(bsm-63270R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human ovary; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with HSF1 Monoclonal Antibody, Unconjugated(bsm-63270R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



4% Paraformaldehyde-fixed HeLa (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (HSF1) monoclonal Antibody, unconjugated (bsm-63270R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-40295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



The HeLa (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.). Primary Antibody (green): Rabbit Anti-HSF1 antibody (bsm-63270R): 1:50-100/10⁶ cells; Secondary Antibody (white blue): Goat anti-Rabbit IgG-BF488 (bs-60295G-BF488): 1 µg/test. Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.