

Anti-HSF1 Antibody (4S10)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 57 kDa. Actual: 70 kDa.
Clone:	4S10
Purification:	Protein A purified

Applications

Verified Activity:

- 25 µg total protein per lane of various lysates (see on figure) probed with HSF1 monoclonal antibody, unconjugated (TMAB-07327) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
- 4% Paraformaldehyde-fixed Hela (H) cell; Triton X-100 at r. T. for 20 min; Antibody incubation with (HSF1) monoclonal Antibody, unconjugated (TMAB-07327) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green) at 37°C for 90 min, DAPI (blue) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.
- Paraformaldehyde-fixed, paraffin embedded Human lung cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with HSF1 Monoclonal Antibody, Unconjugated (TMAB-07327) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.
- Paraformaldehyde-fixed, paraffin embedded Human colon cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with HSF1 Monoclonal Antibody, Unconjugated (TMAB-07327) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.
- Paraformaldehyde-fixed, paraffin embedded Human ovarian cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with HSF1 Monoclonal Antibody, Unconjugated (TMAB-07327) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.
- Paraformaldehyde-fixed, paraffin embedded Human prostate cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with HSF1 Monoclonal Antibody, Unconjugated (TMAB-07327) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.
- Paraformaldehyde-fixed, paraffin embedded Human testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with HSF1 Monoclonal Antibody, Unconjugated (TMAB-07327) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.
- Paraformaldehyde-fixed, paraffin embedded Human colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with HSF1 Monoclonal Antibody, Unconjugated (TMAB-07327) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB 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 (TMAB-07327) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.

10. 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 (TMAB-07327) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.

11. 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 (TMAB-07327): 1:50-100/10⁶ cells; Secondary Antibody (white blue): Goat anti-Rabbit IgG-BF488: 1 µg/test. Isotype Control (orange): Rabbit IgG. Blank control (black): PBS. Acquisition of 20,000 events was performed.

Application: WB,IHC-P,IHC-Fr,ICC/IF,IF,IP,FCM

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; ICC/IF: 1:50-200; IF: 1:100-500; IP: 1:20-50; FCM: 1µg/Test

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: A synthesized peptide: human HSF1

Antigen Species: Human

Gene ID: 3297

Uniprot ID: Q00613

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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