9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

# KD-Validated Anti-Heat Shock Transcription Factor 1 Rabbit Monoclonal Antibody

*Rabbit monoclonal antibody*

ABG1886

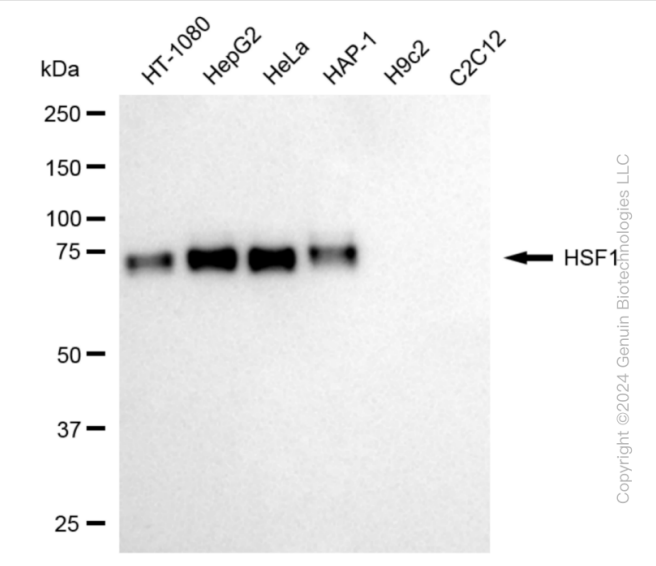
## Product Overview

| | |
|---|---|
| **Name** | KD-Validated Anti-Heat Shock Transcription Factor 1 Rabbit Monoclonal Antibody |
| **Accession(Primary)** | Q00613 |
| **Host Species** | Rabbit |
| **Clonality** | Monoclonal |
| **Isotype** | Rabbit IgG |
| **Immunogen** | A synthesized peptide derived from human HSF1 |
| **Species Reactivity** | Human |
| **Calculated MW** | Predicted, 57 kDa, observed, 75 kDa |
| **Storage Buffer** | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide. |
| **Recommended Dilution** | Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000 |

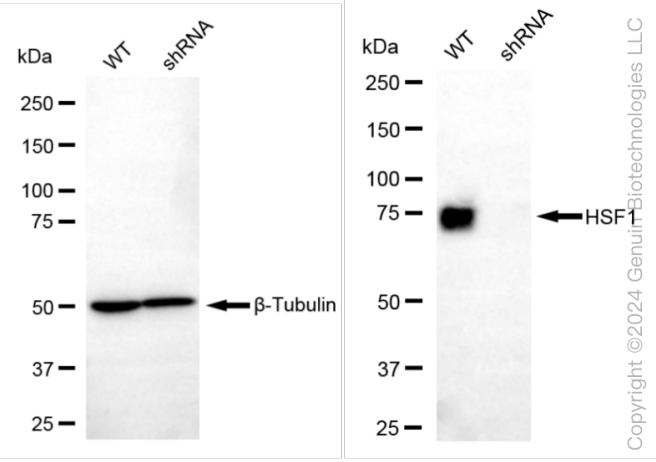
## Target information (Q00613)

| | |
|---|---|
| **Gene Name** | HSF1 |
| **About Gene Symbol** | HSF1 (Heat Shock Transcription Factor 1) is a transcription factor involved in gene transcription and regulation. It is an important research target in gene regulation, development, and cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets. |

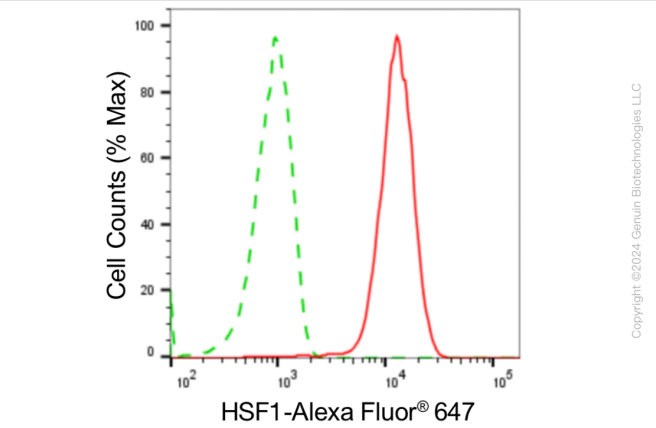
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Western blotting analysis using anti-HSF1 antibody (Cat#ABG1886). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-HSF1 antibody (Cat#ABG1886, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

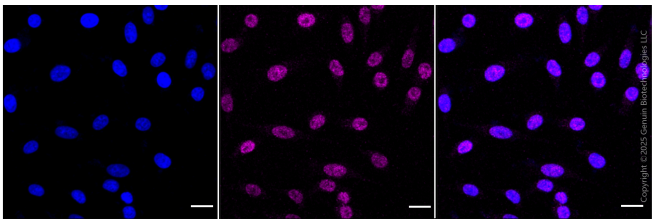



Western blotting analysis using anti-HSF1 antibody (Cat#ABG1886). HSF1 expression in wild type (WT) and HSF1 shRNA knockdown (KD) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-HSF1 antibody (Cat#ABG1886, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.




Flow cytometric analysis of HSF1 expression in HepG2 cells using anti-HSF1 antibody (Cat#ABG1886, 1:2,000). Green, isotype control; red,HSF1.

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Immunocytochemical staining of HepG2 cells with anti-HSF1 antibody (Cat#ABG1886, 1:1,000). Nuclei were stained blue with DAPI; HSF1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.