
Product Name: KD-Validated Phospho-HSF1 (S326) Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01702**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 57.3kDa

Antigen Information

Gene Name	HSF1
Alternative Names	HSF1; Heat Shock Transcription Factor 1; HSTF1; Heat Shock Factor Protein 1; HSTF; HSF
Gene ID	3297.0
SwissProt ID	Q00613
Immunogen	A synthesized peptide derived from human Phospho-HSF1 (S326)

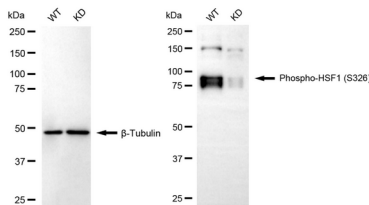
Background

The product of this gene is a transcription factor that is rapidly induced after temperature stress and binds heat shock promoter elements (HSE). This protein plays a role in the regulation of lifespan. Expression of this gene is repressed by phosphorylation, which promotes binding by heat shock protein 90. [provided by RefSeq, Jul 2017]

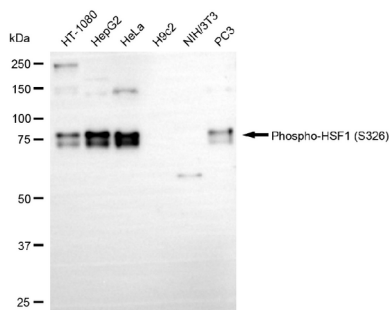
Research Area

Tags & Cell Markers, Epigenetics and Nuclear Signaling, Cardiovascular

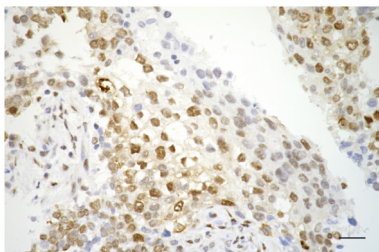
Image Data



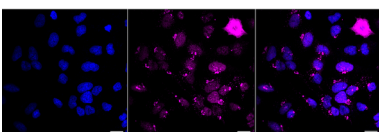
Western blotting analysis using phospho-HSF1 (S326) antibody (KVA01702). Phospho-HSF1 (S326) expression in wild type (WT) and HSF1 knockdown (KD) HSHC cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with phospho-HSF1 (S326) antibody (KVA01702, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



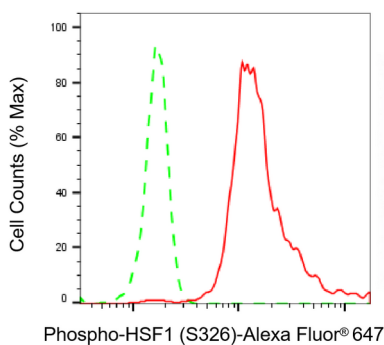
Western blotting analysis using Phospho-HSF1 (S326) antibody (KVA01702). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Phospho-HSF1 (S326) antibody (KVA01702, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human breast carcinoma using phospho-HSF1 (S326) antibody (KVA01702, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of HeLa cells with Phospho-HSF1 (S326) antibody (KVA01702, 1:1,000). Nuclei were stained blue with DAPI; Phospho-HSF1 (S326) was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 µm.



Flow cytometric analysis of Phospho-HSF1 (S326) expression in HeLa cells using Phospho-HSF1 (S326) antibody (KVA01702, 1:2,000). Green, isotype control; red, Phospho-HSF1 (S326).