# HSF1 (Phospho-Ser307) Antibody

#11195

**Catalog Number:** 11195-1, 11195-2

**Amount:** 50μg/50μl, 100μg/100μl

**Swiss-Prot No. :**Q00613

**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.

**Storage/Stability:** Store at -20℃/1 year

**Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from human HSF1 around the phosphorylation site of serine 307 (P-Q-Sp-P-R).

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

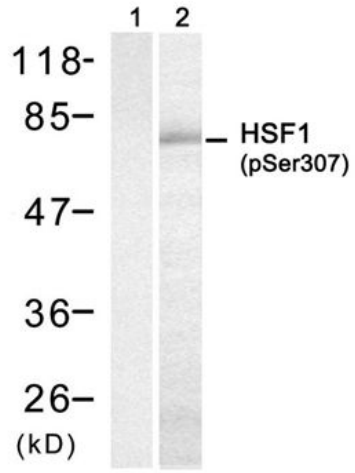
**Specificity/Sensitivity:** HSF1 (Phospho-Ser307) Antibody detects endogenous levels of HSF1 only when phosphorylated at serine 307.

**Reactivity:** Human

**Applications:**

Predicted MW: 82 kd

WB: 1:500~1:1000 IF: 1:100~1:200



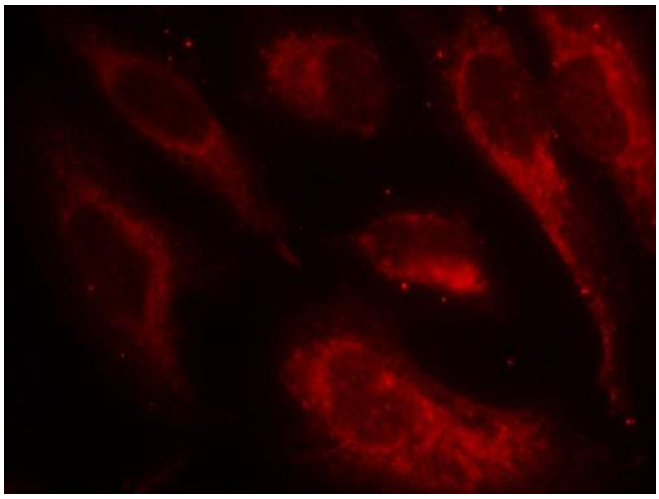

TNF-a + +

Peptide + −

Western blot analysis of extract from HUVEC cell

treated with TNF-a, using HSF1 (Phospho-Ser307)

Antibody (#11195, Lane 1 and 2).



Immunofluorescence staining of methanol-fixed HeLa cells

using HSF1 (Phospho-Ser307) Antibody (#11195).

**Background** :

DNA-binding protein that specifically binds heat shock promoter elements (HSE) and activates transcription. In higher eukaryotes, HSF is unable to bind to the HSE unless the cells are heat shocked

**References：**

Guettouche T, et al. (2005) BMC Biochem ; 6(1): 4

Wang X, et al. (2003) Mol Cell Biol ; 23(17): 6013-6026

Jolly C, et al. (1999) Proc Natl Acad Sci USA; 96(12): 6769-6774.