

HSF1(Phospho-Ser307) Antibody

Catalog No: #11195

Package Size: #11195 100ul

Description

Product Name	HSF1(Phospho-Ser307) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of HSF1 only when phosphorylated at serine 307.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 307 (P-Q-S(p)-P-R) derived from Human HSF1.
Conjugates	Unconjugated
Target Name	HSF1
Modification	Phospho
Other Names	HSTF 1
Accession No.	Swiss-Prot: Q00613NCBI Protein: NP_005517.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

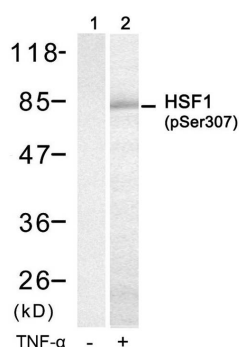
Application Details

Predicted MW: 82kd

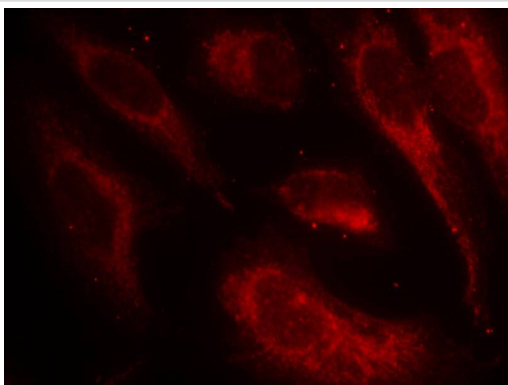
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

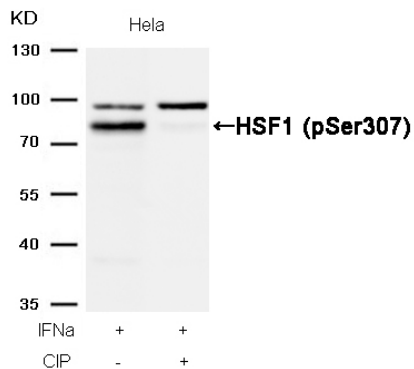
Images



Western blot analysis of extracts from HUVEC cells untreated(lane 1) or treated with TNF- α (lane 2) using HSF1(Phospho-Ser307) Antibody #11195.



Immunofluorescence staining of methanol-fixed HeLa cells using HSF1(Phospho-Ser307) Antibody #11195.



Western blot analysis of extracts from HeLa cells, treated with IFNα or calf intestinal phosphatase (CIP), 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.

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.

Published Papers

et al., IER family proteins are regulators of protein phosphatase PP2A and modulate the phosphorylation status of CDC25A. In Cell Signal on 2019 Mar by Ueda T, Kohama Y, et al.. PMID: 30599213, , (2019)

[PMID:30599213](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.