



HSF1 (Phospho-Ser303) Antibody

#11263

Catalog Number: 11263-1, 11263-2

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°C/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human HSF1 around the phosphorylation site of serine 303 (P-P-S^P-P-P)

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.

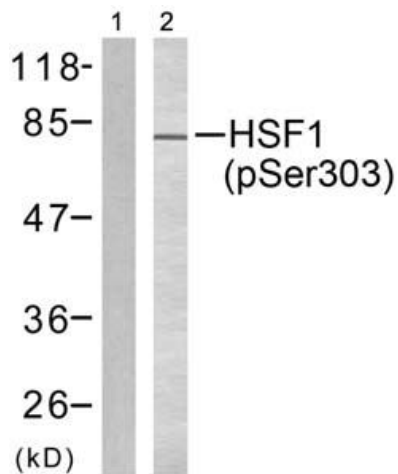
Specificity/Sensitivity: HSF1 (Phospho-Ser303) Antibody detects endogenous levels of HSF1 only when phosphorylated at serine 303.

Reactivity: Human

Applications:

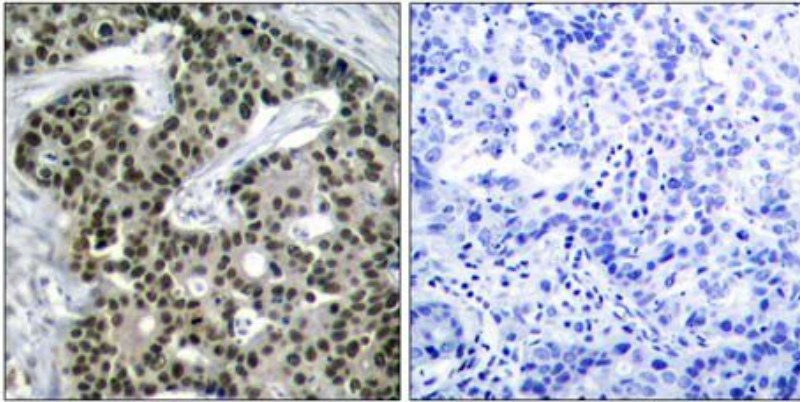
Predicted MW: 82 kd

WB: 1:500~1:1000 IHC: 1:50~1:100



P-Peptide - +

Western blot analysis of extracts from MCF7 cells, using HSF1 (phospho-Ser303) antibody (#11263).



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HSF1 (phospho- Ser303) antibody (#11263).

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:

- Parvaneh Rafiee, et.al. (2006) Am J Physiol Cell Physiol ; 291: C931 - C945
- Fumika Shinozaki, et.al. (2006) J. Biol. Chem ; 281: 16361 - 16369.
- Eiichi Takaki, et.al. (2006) J. Biol. Chem ; 281: 4931 - 4937.
- Jan-Jong Hung, et.al. (1998) J. Biol. Chem ; 273: 31924.