

HSF1 (Phospho-S326) polyclonal antibody

Catalog: BS94019

Host: Rabbit

Reactivity: Human

BackGround:

Prokaryotic and eukaryotic cells respond to thermal and chemical stress by inducing a group of genes collectively designated heat shock genes. In eukaryotes, this gene expression is regulated primarily at the transcription level. Heat shock transcription factors 1 and 2 (HSF1 and HSF2), also designated HSTF1 and HSTF2, are involved in this regulation. HSF1 and HSF2 are upregulated by estrogen at both the mRNA and protein level. HSF1 is normally found as a monomer, whose transcriptional activity is repressed by constitutive phosphorylation. Upon activation, HSF1 forms trimers, gains DNA binding activity and is translocated to the nucleus. HSF2 activity is associated with differentiation and development and, like HSF1, binds DNA as a trimer. Both HSF1 and HSF2 are known to be induced by proteasome inhibitors of the ubiquitin pathway.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

82 kDa

Swiss-Prot:

Q00613(Human)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000-1:2,000

ICC:1:50-1:200

IHC:1:50-1:200

FC:1:50-1:100

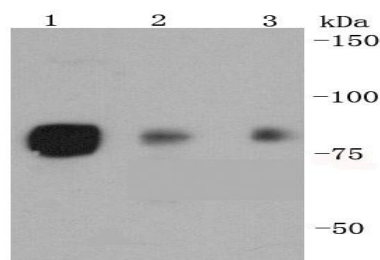
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

Specificity:

HSF1 (Phospho-S326) polyclonal antibody detects endogenous levels of HSF1 protein only when phosphorylated at S326.

DATA:

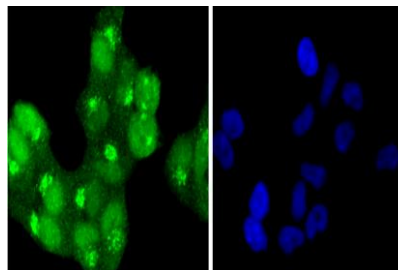


Western blot analysis of p-HSF1(S326) on different lysates using anti-p-HSF1(S326) antibody at 1/1,000 dilution. Positive control:

Lane 1: HeLa

Lane 2: BT20

Lane 3: AGS



ICC staining p-HSF1(S326) in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

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