

Product Datasheet

Phospho-HSF1 (S326) Antibody

Catalog No: CY5266

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IHC ICC IP FC



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Information

UniProt ID: Q00613

All Names: HSF1; HSTF 1; HSTF1; Heat shock factor protein 1; Heat shock transcription factor 1;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 82 kDa

Application

WB: 1:500~1:2000

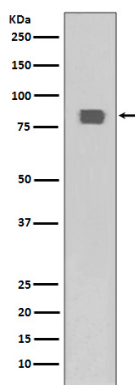
IHC: 1:50~1:200

IP: 1:50

FC:1:50

Background

Heat shock transcription factors (HSF, also designated HSTF) 1 and 2 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.



Western blot analysis of Phospho-HSF1 (S326) expression in HeLa cell lysates treated with heat.

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