

Anti-HSF1 (phospho S326) antibody ab115702

★★★★★ [1 Abreviews](#) [8 References](#) [2 图像](#)

概述

产品名称	Anti-HSF1 (phospho S326)抗体
描述	兔多克隆抗体to HSF1 (phospho S326)
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Human, Recombinant fragment
免疫原	Synthetic peptide corresponding to Human HSF1 (phospho S326).
阳性对照	HeLa whole cell lysate (ab150035); HeLa whole cell lysate (ab150035) Heat-Shocked;
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C.
存储溶液	Preservative: 0.09% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine)
纯度	Protein A purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab115702于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (1)	1/1000. Detects a band of approximately 85-95 kDa (predicted molecular weight: 57 kDa). (ECL).

靶标

功能	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.
序列相似性	Belongs to the HSF family.
结构域	the 9aaTAD motif is a transactivation domain present in a large number of yeast and animal transcription factors.
翻译后修饰	<p>Phosphorylated on multiple serine residues, a subset of which are involved in stress-related regulation of transcription activation. Constitutive phosphorylation represses transcriptional activity at normal temperatures. Levels increase on specific residues heat-shock and enhance HSF1 transactivation activity. Phosphorylation on Ser-307 derepresses activation on heat-stress and in combination with Ser-303 phosphorylation appears to be involved in recovery after heat-stress. Phosphorylated on Ser-230 by CAMK2, in vitro. Cadmium also enhances phosphorylation at this site. Phosphorylation on Ser-303 is a prerequisite for HSF1 sumoylation. Phosphorylation on Ser-121 inhibits transactivation and promotes HSP90 binding. Phosphorylation on Thr-142 also mediates transcriptional activity induced by heat. Phosphorylation on Ser-326 plays an important role in heat activation of HSF1 transcriptional activity.</p> <p>Sumoylated with SUMO1 and SUMO2 on heat-shock. Heat-inducible sumoylation occurs after 15 min of heat-shock, after which levels decrease and at 4 hours, levels return to control levels. Sumoylation has no effect on HSE binding nor on transcriptional activity. Phosphorylation on Ser-303 is a prerequisite for sumoylation.</p>
细胞定位	Cytoplasm. Nucleus. Cytoplasmic during normal growth. On activation, translocates to nuclear stress granules. Colocalizes with SUMO1 in nuclear stress granules.

图片

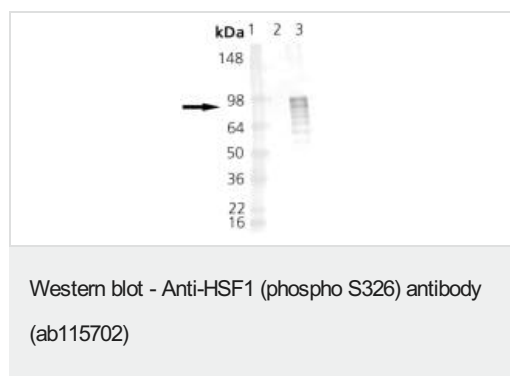


All lanes : Anti-HSF1 (phospho S326) antibody (ab115702) at 1/1000 dilution

- Lane 1 :** MW marker
- Lane 2 :** HeLa cell lysate
- Lane 3 :** HeLa cell lysate Heat-Shocked (No recovery time)

Predicted band size: 57 kDa

ab115702 detects a band of 85-95kDa by Western blot depending on hyperphosphorylation of the native protein.



All lanes : Anti-HSF1 (phospho S326) antibody (ab115702) at 1/1000 dilution

Lane 1 : MW markers

Lane 2 : Recombinant HSF1

Lane 3 : Recombinant HSF1 (phospho)

Predicted band size: 57 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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