

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-HSF4



Numéro de catalogue: 22883-1-AP

## Informations de base

<b>Numéro de catalogue:</b> 22883-1-AP	<b>Numéro d'acquisition GenBank:</b> BC153061	<b>Méthode de purification:</b> Purifié par affinité contre l'antigène
<b>Taille:</b> 150ul , Concentration: 600 µg/ml by Nanodrop and 380 µg/ml by Bradford method using BSA as the standard;	<b>Identification du gène (NCBI):</b> 3299	<b>Dilutions recommandées:</b> WB 1:1000-1:4000
<b>Hôte:</b> Lapin	<b>Nom complet:</b> heat shock transcription factor 4	
<b>Isotype:</b> IgG	<b>MW calculé:</b> 492 aa, 53 kDa	
<b>Immunogen Catalog Number:</b> AG18935	<b>MW observés:</b> 62-66 kDa	

## Applications

**Applications testées:**  
WB, ELISA

**Spécificité de l'espèce:**  
Humain, rat, souris

### Contrôles positifs:

**WB :** cellules HeLa, tissu cardiaque de souris, tissu cérébral de rat, tissu cérébral de souris, tissu cérébral humain, tissu de muscle squelettique de souris, tissu pulmonaire de souris

## Informations générales

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 (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. HSF4 exists as two splice variants and is expressed in heart, brain and skeletal muscle as a homotrimer. HSF4a does not contain a DNA-binding domain and inhibits the formation of HSF1 nuclear bodies, thus repressing HSF1 mediated transcription. HSF4b does contain a DNA-binding domain and colocalizes with HSF1 nuclear bodies after heat shock. This antibody is specific to human HSF4.

## Stockage

**Stockage:**  
Stocker à -20°C. Stable pendant un an après l'expédition.

**Tampon de stockage:**  
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

**\*\*\* Les 20ul contiennent 0,1% de BSA.**

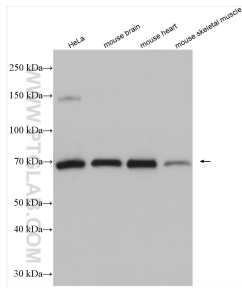
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## Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 22883-1-AP (HSF4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.