

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-HSF1



Numéro de catalogue: 51034-1-AP

Phare

10 Publications

## Informations de base

Numéro de catalogue:

51034-1-AP

Taille:

150ul, Concentration: 700 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG0739

Numéro d'acquisition GenBank:

BC014638

Identification du gène (NCBI):

3297

Nom complet:

heat shock transcription factor 1

MW calculé

529 aa, 57 kDa

MW observés:

68-80 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:4000

IP 0.5-4.0 µg for IP and 1:500-1:2000 for WB

IHC 1:500-1:2000

IF 1:200-1:800

## Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

IF, IHC, IP, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

bovin, Humain, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

Contrôles positifs:

WB : cellules HEK-293, cellules A431, cellules C6, cellules HEK-293T, cellules HeLa, cellules HepG2, cellules K-562, cellules NIH/3T3, tissu ovarien de souris, tissu testiculaire de souris

IP : cellules Jurkat,

IHC : tissu de cancer du poumon humain, tissu testiculaire humain

IF : cellules A431,

## Informations générales

HSF1 belongs to heat-shock transcription factors that activate heat-shock response genes under conditions of heat or other stresses. Also, HSF1 has been linked with oogenesis, spermatogenesis, and placental development. It can activate AKT and inactivate JNK and CASP3 to protect cardiomyocytes from death. And it has a role in the regulation of life span and establishes a role for SIRT1 in protein homeostasis and heat-shock response. The calculated molecular weight of HSF1 is 57 kDa, but HSF1 migrates at approximately 80 kDa which likely represents different phosphorylation states (PMID: 18434628).

## Publications notables

Autrice	Pubmed ID	Journal	Application
Donald A Jurivich	31612204	J Gerontol A Biol Sci Med Sci	WB
Thomas G Martin	33989081	Am J Physiol Heart Circ Physiol	WB,IF
Fangfang Yuan	35511979	Science	WB

## 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.

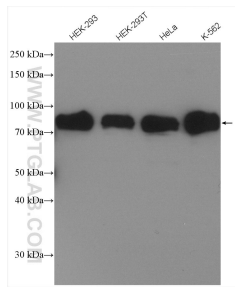
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

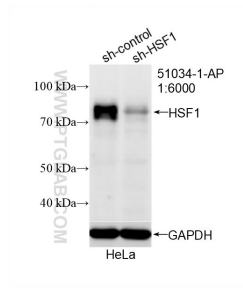
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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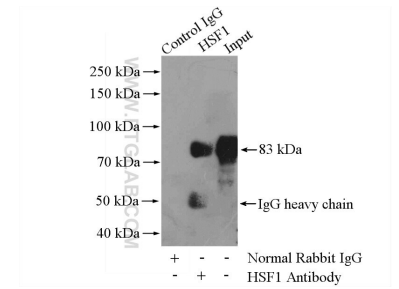
## Données de validation sélectionnées



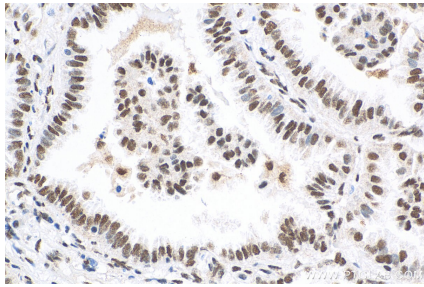
Various lysates were subjected to SDS PAGE followed by western blot with 51034-1-AP (HSF1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



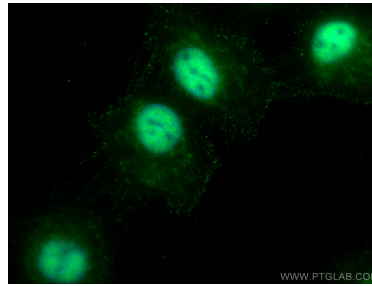
WB result of HSF1 antibody (51034-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HSF1 transfected HeLa cells.



IP Result of anti-HSF1 (IP:51034-1-AP, 4 $\mu$ g; Detection:51034-1-AP 1:1000) with Jurkat cells lysate 2400 $\mu$ g.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 51034-1-AP (HSF1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using HSF1 antibody (51034-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).