

## ARG58827 anti-HSF4 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes HSF4
Tested Reactivity	Hu
Predict Reactivity	Bov
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HSF4
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 149-185 of Human HSF4 (VQESTEARLRELRRQNEILWREVVTLRQSHGQQHRVI).
Conjugation	Un-conjugated
Alternate Names	CTRCT5; Heat shock transcription factor 4; HSF 4; Heat shock factor protein 4; HSTF 4; CTM; hHSF4

### Application Instructions

Application table	Application	Dilution
	WB	0.1 - 0.5 µg/ml

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

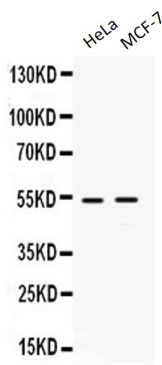
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	HSF4
Gene Full Name	heat shock transcription factor 4
Background	Heat-shock transcription factors (HSFs) activate heat-shock response genes under conditions of heat or other stresses. HSF4 lacks the carboxyl-terminal hydrophobic repeat which is shared among all vertebrate HSFs and has been suggested to be involved in the negative regulation of DNA binding activity. Two alternatively spliced transcripts encoding distinct isoforms and possessing different transcriptional activity have been described. [provided by RefSeq, Jul 2008]
Function	DNA-binding protein that specifically binds heat shock promoter elements (HSE). Isoform HSF4A represses transcription while the isoform HSF4B activates transcription. [UniProt]
Calculated Mw	53 kDa
PTM	Phosphorylated mainly on serine residues. Phosphorylation on Ser-298 promotes sumoylation on Lys-293.  Isoform HSF4B is constitutively sumoylated. Sumoylation represses the transcriptional activity and is promoted by phosphorylation on Ser-298. HSF4A is not sumoylated. [UniProt]
Cellular Localization	Nucleus. [UniProt]

## Images



ARG58827 anti-HSF4 antibody WB image

Western blot: 40 µg of HeLa and MCF-7 cell lysates stained with ARG58827 anti-HSF4 antibody at 0.5 µg/ml dilution.