

## ARG58810 anti-HSF2 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes HSF2
Tested Reactivity	Hu, Rat
Predict Reactivity	Ms, Hm
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HSF2
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 82-102 of Human HSF2 (KQERDGPVEFQHPYFKQGQDD).
Conjugation	Un-conjugated
Alternate Names	HSF 2; Heat shock factor protein 2; Heat shock transcription factor 2; HSTF 2

### Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	ICC/IF	1:200 - 1:1000
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml
Application Note	IHC-P: Antigen Retrieval: By heat mediation. * 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% Thimerosal, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Thimerosal and 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

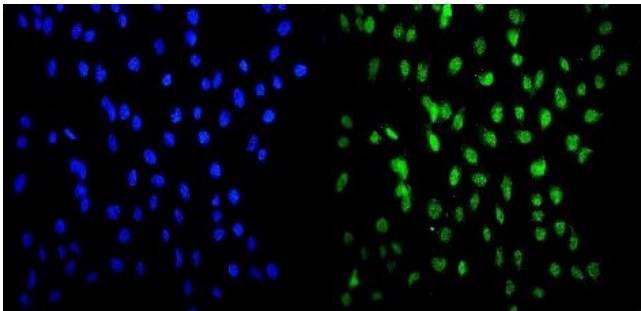
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

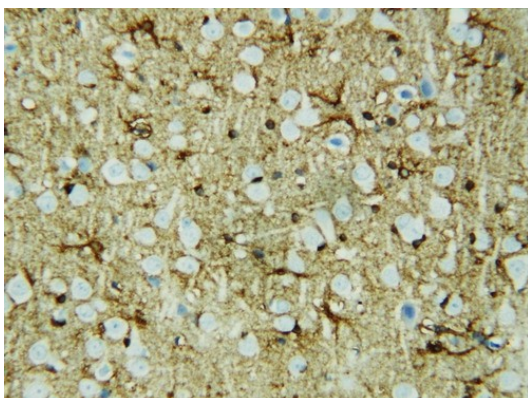
Gene Symbol	HSF2
Gene Full Name	heat shock transcription factor 2
Background	The protein encoded by this gene belongs to the HSF family of transcription factors that bind specifically to the heat-shock promoter element and activate transcription. Heat shock transcription factors activate heat-shock response genes under conditions of heat or other stresses. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2011]
Function	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. [UniProt]
Calculated Mw	60 kDa
Cellular Localization	Cytoplasm. Nucleus. Cytoplasmic during normal growth and moves to the nucleus upon activation. [UniProt]

## Images



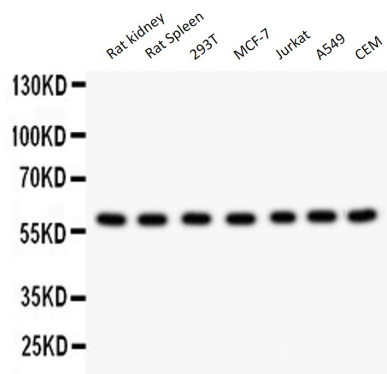
ARG58810 anti-HSF2 antibody ICC/IF image

Immunofluorescence: U2OS cells were blocked with 10% goat serum and then stained with ARG58810 anti-HSF2 antibody (green) at 2 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



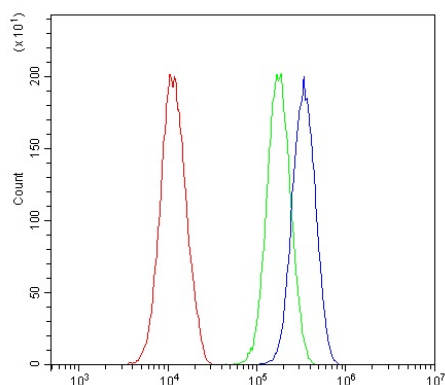
ARG58810 anti-HSF2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain stained with ARG58810 anti-HSF2 antibody.



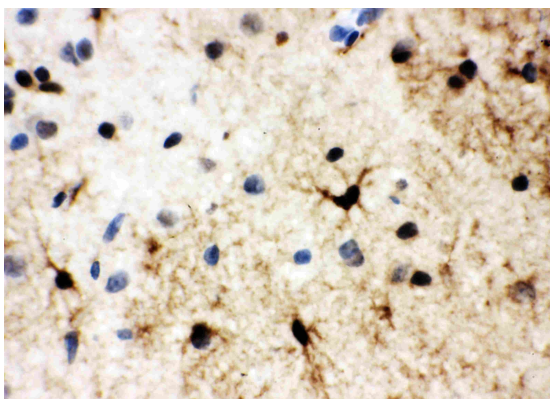
#### ARG58810 anti-HSF2 antibody WB image

Western blot: 50 µg of Rat kidney, 50 µg of Rat Spleen, 40 µg of 293T, 40 µg of MCF-7, 40 µg of Jurkat, 40 µg of A549 and 40 µg of CEM lysates stained with ARG58810 anti-HSF2 antibody at 0.5 µg/ml dilution.



#### ARG58810 anti-HSF2 antibody FACS image

Flow Cytometry: 293T cells were blocked with 10% normal goat serum and then stained with ARG58810 anti-HSF2 antibody (blue) at 1 µg/ $10^6$  cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/ $10^6$  cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



#### ARG58810 anti-HSF2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain stained with ARG58810 anti-HSF2 antibody.