

ARG58810
anti-HSF2 antibodyPackage: 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 ₂ HPO ₄ , 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

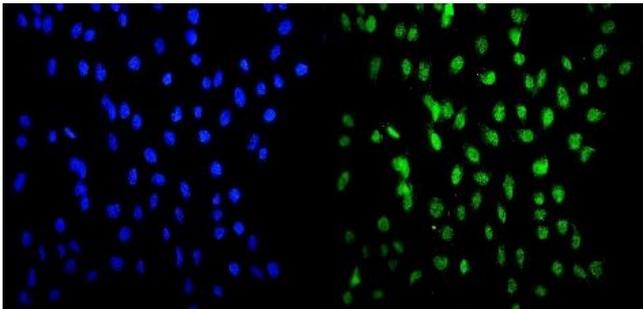
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

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

Bioinformation

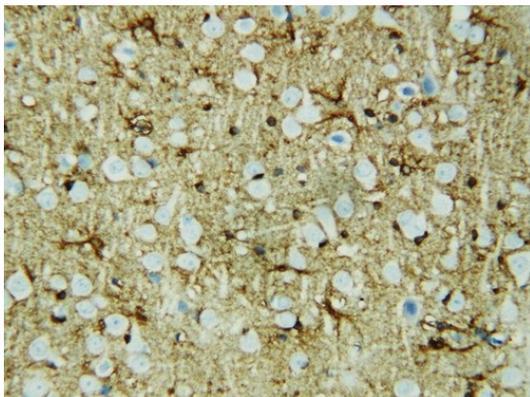
Gene Symbol	HSF2
Gene Full Name	heat shock transcription factor 2
Background	The protein encoded by this gene belongs to the HSF family of transcription factors that bind specifically to the heat-shock promoter element and activate transcription. Heat shock transcription factors activate heat-shock response 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



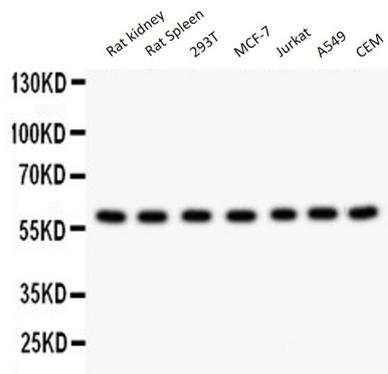
ARG58810 anti-HSF2 antibody ICC/IF image

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



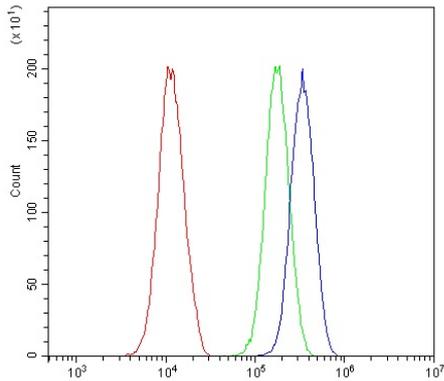
ARG58810 anti-HSF2 antibody IHC-P image

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



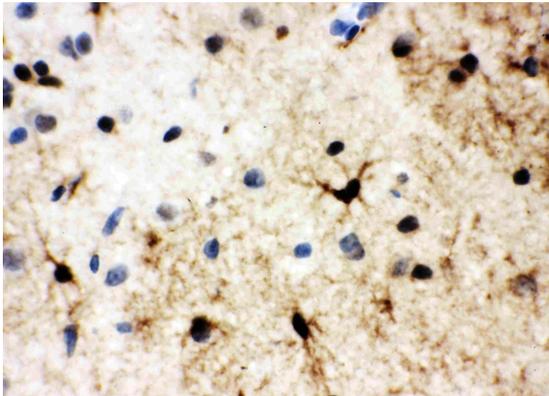
ARG58810 anti-HSF2 antibody WB image

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/10⁶ 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/10⁶ 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.