

Mouse anti-Human HSF4 Monoclonal Antibody | anti-HSF4 antibody

HSF4 Antibody

CATALOG # AAA312082	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

HSF4; Monoclonal Antibody; HSF4 Antibody; Cataract; Marner antibody; CTM antibody; Heat shock factor protein 4 antibody; Heat shock transcription factor 4 antibody; hHSF4 antibody; HSF 4 antibody; HSF4 antibody; HSF4_HUMAN antibody; HSTF 4 antibody; anti-HSF4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Clone Number	A11-E7
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1%BSA, Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-HSF4 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of HeLa cells with HSF4 antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).



WB (Western Blot)

Western blot analysis of HSF4 on human HSF4 recombinant protein using anti-HSF4 antibody at 1/1, 000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-HSF4 antibody	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.
Product Categories/Family for anti-HSF4 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	296434534
NCBI GeneID	3299
UniProt Accession #	Q9ULV5; Q99472; Q9ULV6
Molecular Weight	492
NCBI Official Full Name	Heat shock factor protein 4
NCBI Official Synonym Full Names	heat shock transcription factor 4
NCBI Official Symbol	HSF4
NCBI Official Synonym Symbols	CTM; CTRCT5
NCBI Protein Information	heat shock factor protein 4; HSF 4; hHSF4; HSTF 4
UniProt Protein Name	Heat shock factor protein 4
UniProt Gene Name	HSF4
UniProt Synonym Gene Names	HSF 4; hHSF4; HSTF 4
UniProt Entry Name	HSF4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hsf4-antibody-clone-a11-e7-flow-cytometry-western-blot-elisa/312082>