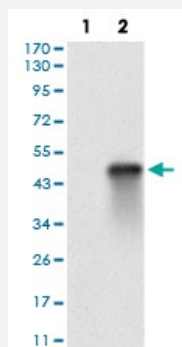


# HSF1 monoclonal antibody, clone 4D5F4

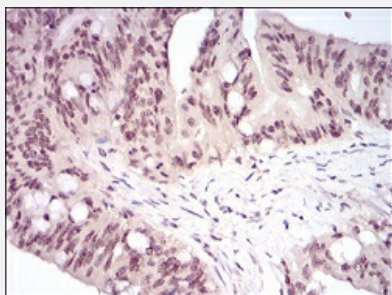
Catalog # MAB16617      Size 100 ug

## Applications



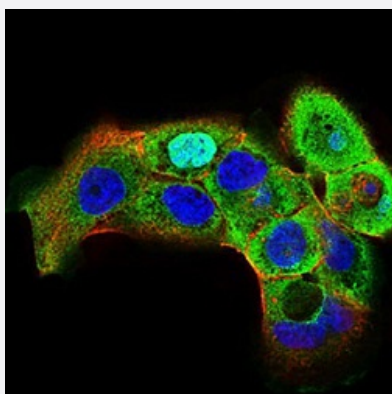
### Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: HSF1-hlgGFc transfected HEK293 cell with HSF1 monoclonal antibody.



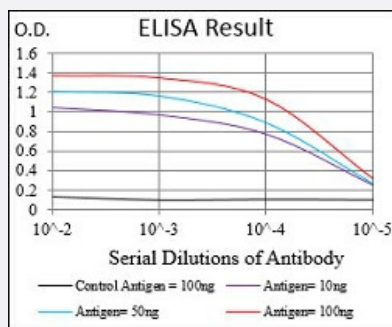
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded rectal cancer tissues with HSF1 monoclonal antibody.



### Immunocytochemistry

Immunocytochemical staining of A431 cells with HSF1 monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments labeled with Alexa Fluor-555 phalloidin (red).



## Enzyme-linked Immunoabsorbent Assay

ELISA analysis of HSF1 monoclonal antibody, clone 4D5F4.

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against recombinant human HSF1.
<b>Immunogen</b>	Recombinant protein corresponding to amino acid 256-359 of human HSF1 from <i>E. coli</i> .
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	57.3
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Isotype</b>	IgG2b
<b>Recommend Usage</b>	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunocytochemistry (1:200-1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.05% sodium azide).
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: HSF1-hlgGfc transfected HEK293 cell with HSF1 monoclonal antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded rectal cancer tissues with HSF1 monoclonal antibody.

- Immunocytochemistry

Immunocytochemical staining of A431 cells with HSF1 monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments labeled with Alexa Fluor-555 phalloidin (red).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of HSF1 monoclonal antibody, clone 4D5F4.

## Gene Info — HSF1

Entrez GeneID	<a href="#">3297</a>
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Gene Name	HSF1
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Gene Alias	HSTF1
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Gene Description	heat shock transcription factor 1
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Omim ID	<a href="#">140580</a>
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Gene Ontology	<a href="#">Hyperlink</a>
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Gene Summary	The product of this gene is a heat-shock transcription factor. Transcription of heat-shock genes is rapidly induced after temperature stress. Hsp90, by itself and/or associated with multichaperone complexes, is a major repressor of this gene. [provided by RefSeq]
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Other Designations	-
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