

## Anti-HSF1 antibody (350-529) (STJ115712)

### GENERAL INFORMATION

|               |                       |
|---------------|-----------------------|
| Product Type  | Primary antibodies    |
| Applications  | WB/IHC-P/IF/ICC/ELISA |
| Host / Source | Rabbit                |
| Reactivity    | Human/Mouse/Rat       |

### PRODUCT PROPERTIES

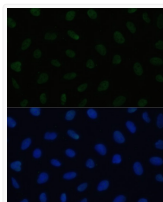
|                     |                                                                                                                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clonality           | Polyclonal                                                                                                                                                                                         |
| Concentration       | Lot specific                                                                                                                                                                                       |
| Conjugation         | Unconjugated                                                                                                                                                                                       |
| Purification        | Affinity purification                                                                                                                                                                              |
| Dilution Range      | WB:1:500-1:2000<br>IHC-P:1:50-1:100<br>IF/ICC:1:50-1:100<br>ELISA:Recommended starting concentration is 1 $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements. |
| Formulation         | PBS with 0.01% Thimerosal, 50% Glycerol, pH 7.3.                                                                                                                                                   |
| Isotype             | IgG                                                                                                                                                                                                |
| Molecular Weight    | Protein Mw: 57kDa<br>Observed Mw: 90kDa                                                                                                                                                            |
| Storage Instruction | Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.                                                                                                     |

### TARGET INFORMATION

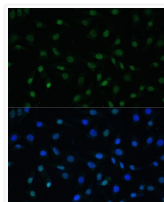
|                    |                                                                                                                                                                                             |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | <a href="#">3297</a>                                                                                                                                                                        |
| Gene Symbol        | <a href="#">HSF1</a>                                                                                                                                                                        |
| UniProt ID         | <a href="#">HSF1_HUMAN</a>                                                                                                                                                                  |
| Immunogen Region   | 350-529                                                                                                                                                                                     |
| Immunogen Sequence | DARGHTDTEGRPPSPPTST PEKCLSVACLKNEKSDHLD AMDSNLDNLQTMLSHGFSV<br>DTSALLDLFSPSVTPDMSL PDLSSLASIQELLSPQEP RPPEAENSSPDGKQLVHYT<br>AQPLFLLDPGSVDTGSNDLP VLFELGEGSYFSEGDFGAED PTISLLTGSEPPKAKDPTVS |
| Specificity        | Recombinant fusion protein containing a sequence corresponding to amino acids 350-529 of human HSF1 (NP_005517.1).                                                                          |

### ADDITIONAL INFORMATION

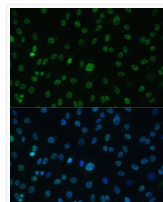
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



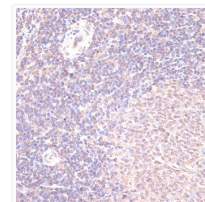
Immunofluorescence analysis of U2OS cells using HSF1 Rabbit polyclonal antibody (STJ115712) at dilution of 1:100. Blue: DAPI for nuclear staining.



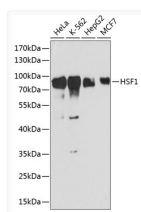
Immunofluorescence analysis of L929 cells using HSF1 Rabbit polyclonal antibody (STJ115712) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of C6 cells using HSF1 Rabbit polyclonal antibody (STJ115712) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of HSF1 in paraffin-embedded rat spleen using HSF1 Rabbit polyclonal antibody (STJ115712) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with immunohistochemistry staining protocol.



Western blot analysis of various lysates using HSF1 Rabbit polyclonal antibody (STJ115712) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25  $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.