

## Rabbit anti-Human HSF1 Polyclonal Antibody | anti-HSF1 antibody

Rabbit anti-HSF1 Antibody, Affinity Purified

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA212134 | Rabbit | Human      | Immunohistochemistry, Immunoprecipitation |

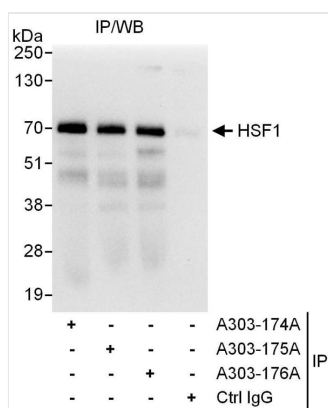
### PRODUCT SYNONYMS

HSF1; Polyclonal Antibody; Rabbit anti-HSF1 Antibody; Affinity Purified; HSTF1; heat shock factor protein 1; Heat shock transcription factor 1; HSF 1; HSTF 1; Heat shock factor protein 1; heat shock transcription factor 1; anti-HSF1 antibody

### PRODUCT SPECIFICATIONS

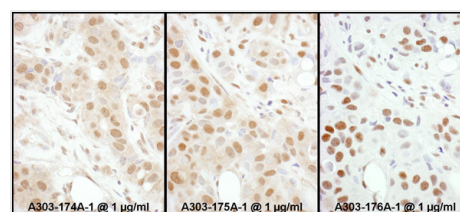
|                                                |                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                    |
| Reactivity                                     | Human                                                                                     |
| Clonality                                      | Polyclonal                                                                                |
| Purity/Purification                            | Antigen Affinity Purified                                                                 |
| Form/Format                                    | Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| Concentration                                  | 1000ug/ml (varies by lot)                                                                 |
| Applicable Applications for anti-HSF1 antibody | IHC (Immunohistochemistry), IP (Immunoprecipitation)                                      |
| Immunogen                                      | Between 425 and 475                                                                       |
| Conjugation                                    | Unconjugated                                                                              |
| Preparation and Storage                        | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |

### IMAGES



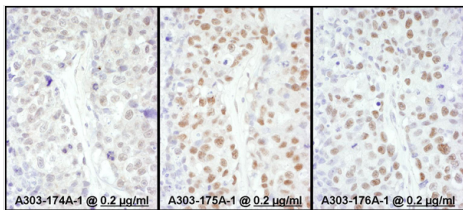
#### IP (Immunoprecipitation)

Detection of human HSF1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-HSF1 antibody AAA212134 used for IP at 6 ug/mg lysate. HSF1 was also immunoprecipitated by rabbit anti-HSF1 antibodies and which recognize other epitopes. For blotting immunoprecipitated HSF1, was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



#### IHC (Immunohistochemistry)

Detection of human HSF1 by immunohistochemistry. Samples: FFPE sections of human breast carcinoma. Antibody: Affinity purified rabbit anti-HSF1 Cat. No. Lot1 used at a dilution of 1:1,000 (1ug/ml) (left), Cat. No. AAA212134 Lot1 used at a dilution of 1:1,000 (1ug/ml) (center) and Cat. No. Lot1 used at a dilution of 1:200 (1ug/ml) (right). Detection: DAB



**IHC (Immunohistochemistry)**  
 Detection of human HSF1 by immunohistochemistry. Samples: FFPE sections of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-HSF1 Cat. No. Lot1 used at a dilution of 1:5,000 (0.2ug/ml) (left), Cat. No. AAA212134 Lot1 used at a dilution of 1:5,000 (0.2ug/ml) (center) and Cat. No. Lot1 used at a dilution of 1:1,000 (0.2ug/ml) (right).  
 Detection: DAB

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-HSF1 antibody | Heat shock factor protein 1 (HSF1) is a 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 [taken from the Universal Protein Resource (UniProt) <a href="http://www.uniprot.org/uniprot/Q00613">www.uniprot.org/uniprot/Q00613</a> ]. |
| Product Categories/Family for anti-HSF1 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                      |

### NCBI AND UNIPROT INFORMATION

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| NCBI GI #                        | 5031767                                    |
| NCBI GeneID                      | 3297                                       |
| NCBI Accession #                 | NP_005517.1                                |
| NCBI GenBank Nucleotide #        | NM_005526.2                                |
| UniProt Accession #              | Q00613; Q53XT4; A8K4L0; A8MW26             |
| Molecular Weight                 | 57,260 Da                                  |
| NCBI Official Full Name          | heat shock factor protein 1                |
| NCBI Official Synonym Full Names | heat shock transcription factor 1          |
| NCBI Official Symbol             | HSF1                                       |
| NCBI Official Synonym Symbols    | HSTF1                                      |
| NCBI Protein Information         | heat shock factor protein 1; HSF 1; HSTF 1 |
| UniProt Protein Name             | Heat shock factor protein 1                |
| UniProt Gene Name                | <b>HSF1</b>                                |
| UniProt Synonym Gene Names       | HSTF1; HSF 1; HSTF 1                       |
| UniProt Entry Name               | HSF1_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.