

## HSF1(phospho-Ser303) Antibody

Catalog No: #11263



Package Size: #11263-1 50ul #11263-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

|                       |                                                                                                                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | HSF1(phospho-Ser303) Antibody                                                                                                                                                                                                                                                           |
| Host Species          | Rabbit                                                                                                                                                                                                                                                                                  |
| Clonality             | Polyclonal                                                                                                                                                                                                                                                                              |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates.<br>Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Applications          | WB IHC                                                                                                                                                                                                                                                                                  |
| Species Reactivity    | Hu                                                                                                                                                                                                                                                                                      |
| Specificity           | The antibody detects endogenous level of HSF1 only when phosphorylated at serine 303.                                                                                                                                                                                                   |
| Immunogen Type        | Peptide-KLH                                                                                                                                                                                                                                                                             |
| Immunogen Description | Peptide sequence around phosphorylation site of serine 303 (P-P-S(p)-P-P) derived from Human HSF1.                                                                                                                                                                                      |
| Target Name           | HSF1                                                                                                                                                                                                                                                                                    |
| Modification          | Phospho                                                                                                                                                                                                                                                                                 |
| Other Names           | HSTF 1                                                                                                                                                                                                                                                                                  |
| Accession No.         | Swiss-Prot: Q00613NCBI Protein: NP_005517.1                                                                                                                                                                                                                                             |
| Concentration         | 1.0mg/ml                                                                                                                                                                                                                                                                                |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                            |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.                                                                                                                                                                                               |

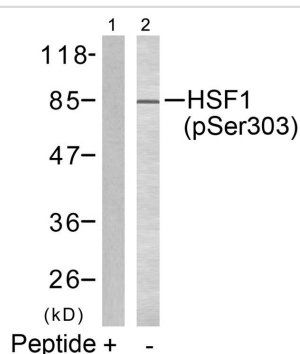
## Application Details

Predicted MW: 82kd

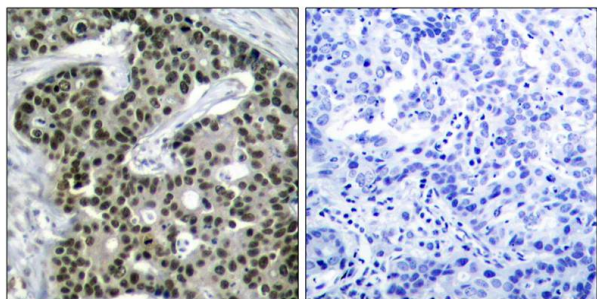
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

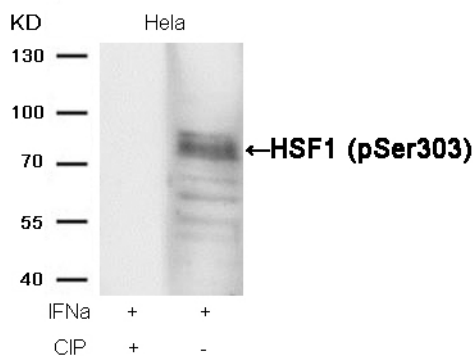
## Images



Western blot analysis of extracts from MCF7 cells using HSF1(phospho-Ser303) Antibody #11263(Lane 2) and the same antibody preincubated with blocking peptide(Lane1).



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HSF1(Phospho-Ser303) Antibody #11263(left) or the same antibody preincubated with blocking peptide(right).



Western blot analysis of extracts from HeLa cells, treated with IFNa or calf intestinal phosphatase (CIP), using HSF1 (phospho-Ser303) Antibody #11263.

## Background

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.

Parvaneh Rafiee, et.al. (2006) Am J Physiol Cell Physiol ; 291: C931 - C945

Fumika Shinozaki, et.al. (2006) J. Biol. Chem ; 281: 16361 - 16369.

Eiichi Takaki, et.al. (2006) J. Biol. Chem ; 281: 4931 - 4937.

Jan-Jong Hung, et.al. (1998) J. Biol. Chem ; 273: 31924.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.