Product Datasheet

HSF1 (Phospho-Thr142) Antibody

Catalog No: #11715

Package Size: #11715-1 50ul #11715-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

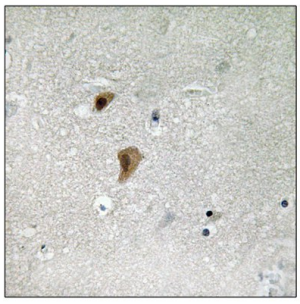
Description

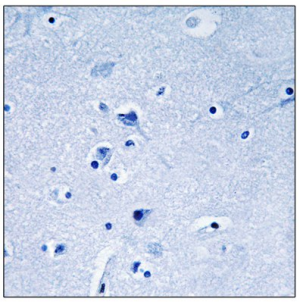
Product Name	HSF1 (Phospho-Thr142) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of HSF1 only when phosphorylated at threonine 142.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 142(L-L-T(p)-D-V) derived from Human HSF1 .
Target Name	HSF1
Modification	Phospho
Other Names	HSF 1; HSTF1; Heat shock factor protein 1;
Accession No.	Swiss-Prot#: Q00613; NCBI Gene#: 3297; NCBI Protein#: NP_005517.1.
Uniprot	Q00613
GeneID	3297;
SDS-PAGE MW	57kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Immunohistochemistry: 1:50~1:100

Images





Immunohistochemical analysis of paraffin-embedded human brain tissue using HSF1 (Phospho-Thr142) antibody #11715 (left)or the same antibody preincubated with blocking peptide (right).

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.

Rabindran S.K., Proc. Natl. Acad. Sci. U.S.A. 88:6906-6910(1991).
The MGC Project Team; Genome Res. 14:2121-2127(2004).
Schuetz T.J.,Proc. Natl. Acad. Sci. U.S.A. 88:6911-6915(1991)

Note: This product is for in vitro research use only