



HSF1 (phospho Thr142) rabbit pAb

Cat No.:ES5780

For research use only

Overview

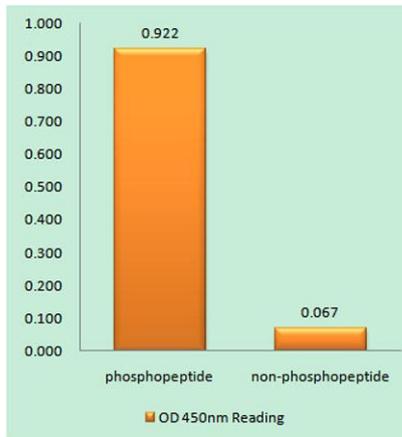
Product Name	HSF1 (phospho Thr142) rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human HSF1 around the phosphorylation site of Thr142. AA range:108-157
Specificity	Phospho-HSF1 (T142) Polyclonal Antibody detects endogenous levels of HSF1 protein only when phosphorylated at T142.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Heat shock factor protein 1
Gene Name	HSF1
Cellular localization	Nucleus . Cytoplasm . Nucleus, nucleoplasm . Cytoplasm, perinuclear region . Cytoplasm, cytoskeleton, spindle pole . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Chromosome, centromere, kinetochore . The monomeric form is cytoplasm
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	3297
Human Swiss-Prot Number	Q00613
Alternative Names	HSF1; HSTF1; Heat shock factor protein 1; HSF 1; Heat shock transcription factor 1; HSTF 1





Background

heat shock transcription factor 1(HSF1) Homo sapiens The product of this gene is a transcription factor that is rapidly induced after temperature stress and binds heat shock promoter elements (HSE). This protein plays a role in the regulation of lifespan. Expression of this gene is repressed by phosphorylation, which promotes binding by heat shock protein 90. [provided by RefSeq, Aug 2016],



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using HSF1 (Phospho-Thr142) Antibody

Immunohistochemistry analysis of paraffin-embedded human brain, using HSF1 (Phospho-Thr142) Antibody. The picture on the right is blocked with the phospho peptide.

