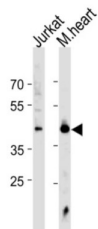
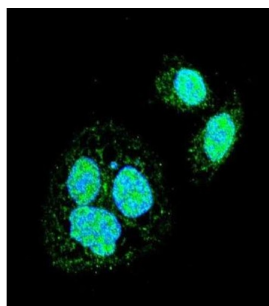


HSF1 Sumoylation Site Antibody

Catalogue No.: abx031603



WB analysis of extract of Jurkat cell line and Mouse heart tissue lysate (35 µg/lane), using HSF1 Sumoylation Site Antibody.



IF analysis of HeLa cell, using HSF1 Sumoylation Site Antibody followed by AF488 conjugated Goat anti-Rabbit IgG (green). DAPI was used to stain the cell nucleus (blue).

Heat shock transcription factor 1 (HSF1) mediates the induction of heat shock protein gene expression in cells exposed to elevated temperature and other stress conditions. In response to stress, HSF1 acquires DNA-binding ability and localizes to nuclear stress granules. SUMO modification of HSF1 converts HSF1 to the DNA-binding form. HSF1 colocalizes with SUMO-1 in nuclear stress granules, which is prevented by mutation of the HSF1 lysine targeted for sumoylation.

Target: HSF1 Sumoylation Site

Clonality: Polyclonal

Reactivity: Human, Mouse

Tested Applications: ELISA, WB, IF/ICC

Host: Rabbit

Recommended dilutions: WB: 1/1000, IF/ICC: 1/10 - 1/50. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: KLH-conjugated synthetic peptide between 278-309 amino acids from human HSF1 Sumoylation Site.

Isotype: IgG

Datasheet

Version: 3.0.0
Revision date: 08 Oct 2025



Form:	Liquid
Purification:	Purified by saturated ammonium sulfate (SAS) precipitation followed by dialysis against PBS.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q00613 (UniProt , ExPASy)
GeneID:	3297
NCBI Accession:	NP_005517.1
KEGG:	hsa:3297
String:	9606.ENSP00000431512
Molecular Weight:	Calculated MW: 57.3 kDa
Buffer:	PBS containing 0.09% sodium azide.
Specificity:	Predicted to react with Cow HSF1.
Concentration:	2 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.