

Product Data Sheet

Anti-HSF1 (pS307) Antibody

Catalog #	Source	Reactivity	Applications
CPA4677	Rabbit	H	WB, IF/IC
Description	Rabbit polyclonal antibody to HSF1 (pS307)		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human HSF1. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of HSF1 (pS307) protein.		
Clonality	Polyclonal		
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/1000), IF/IC (1/100 - 1/500)		
Gene Symbol	HSF1		
Alternative Names	HSTF1; Heat shock factor protein 1; HSF 1; Heat shock transcription factor 1; HSTF 1		
Entrez Gene	3297 (Human)		
SwissProt	Q00613 (Human)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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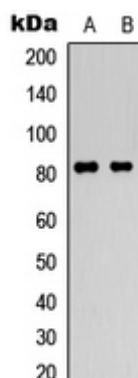
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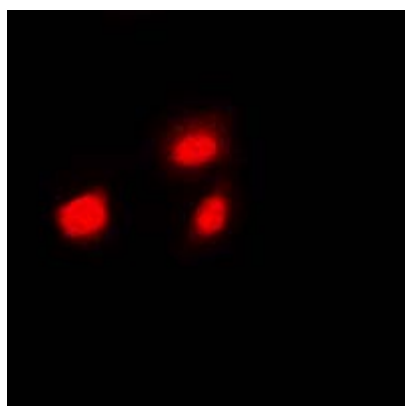
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Western blot analysis of HSF1 (pS307) expression in HepG2 (A), K562 (B) whole cell lysates.



Immunofluorescent analysis of HSF1 (pS307) staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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