

Product Datasheet

HSF1 Antibody - BSA Free NBP1-97475-0.05mg

Unit Size: 0.05 mg

Store at -20C. Avoid freeze-thaw cycles.

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NBP1-97475-0.05mg

HSF1 Antibody - BSA Free

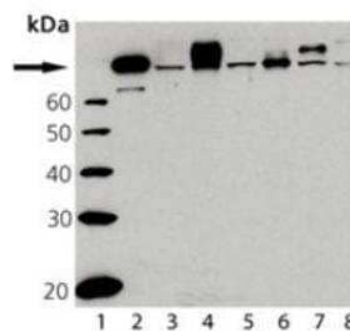
Product Information	
Unit Size	0.05 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS and 50% Glycerol
Target Molecular Weight	95 kDa

Product Description	
Host	Rabbit
Gene ID	3297
Gene Symbol	HSF1
Species	Human, Mouse, Rat, Gerbil, Primate, Rabbit
Specificity/Sensitivity	Recognizes nonphosphorylated HSF1 at ~60kDa and phosphorylated HSF1 at ~80kDa.
Immunogen	Recombinant human HSF1.

Product Application Details	
Applications	Western Blot, ELISA, Gel Super Shift Assays, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000 (colorimetric), ELISA, Immunoprecipitation 1:10-1:500, Gel Super Shift Assays 1:1-1:100
Application Notes	ELISA reactivity was reported in (PMID:12732732).

Images

Western Blot: HSF1 Antibody [NBP1-97475] - Analysis of HSF1: Lane 1: Molecular Weight Marker, Lane 2: HSF1 (human), (recombinant), Lane 3: HeLa Cell Lysate, Lane 4: HeLa Cell Lysate (Heat Shocked), Lane 5: 3T3 Cell Lysate, Lane 6: PC-12 Cell Lysate, Lane 7: RK-13 Cell Lysate, Lane 8: Vero Cell Lysate.



Publications

M Oro?, M Grochowski, A Jaiswar, J Legierska, K Jastrz?bsk, M Nowak-Niez, M Ko?os, W Ka?miercza, T Olesi?ski, M Lenarcik, M Cybulska, M Mikula, A ?ylicz, M Mi?czy?ska, K Zettl, JR Wi?niewski, D Walerych The molecular network of the proteasome machinery inhibition response is orchestrated by HSP70, revealing vulnerabilities in cancer cells Cell Reports, 2022-09-27;40(13):111428. 2022-09-27 [PMID: 36170818]

Onay Ucar E, Sengelen A, Mertoglu Kamali E Hsp27, Hsp60, Hsp70, or Hsp90 depletion enhances the antitumor effects of resveratrol via oxidative and ER stress response in human glioblastoma cells Biochemical Pharmacology 2023-02-01 [PMID: 36603687] (WB, Human)

Details:

1:1000 WB dilution

Kiyga E, Adıguzel Z, Onay Ucar E Temozolomide increases heat shock proteins in extracellular vesicles released from glioblastoma cells Molecular biology reports 2022-06-25 [PMID: 35752701] (WB, Human)

TW Mu et al. Chemical and biological approaches synergize to ameliorate protein-folding diseases. Cell 134, 769 . 2008-01-01 [PMID: 18775310] (WB)

G Steiner et al. TNFalpha mediates susceptibility to heat-induced apoptosis by protein phosphatase-mediated inhibition of the HSF1/hsp70 stress response;. Cell Death Differ 10, 1126. 2003-01-01 [PMID: 14502236] (GS)

DM Chuang et al. Postinsult treatment with lithium reduces brain damage and facilitates neurological recovery in a rat ischemia/reperfusion model;. PNAS 100, 6210. 2003-01-01 [PMID: 12732732] (ELISA)

FR Sharp et al. 17-beta-estradiol induces heat shock proteins in brain arteries and potentiates ischemic heat shock protein induction in glia and neurons. J. Cereb. Blood Flow Metab. 22, 183. 2002-01-01 [PMID: 11823716] (WB)

M Di Rosa et al. Role of cyclopentenone prostaglandins in rat carrageenin pleurisy;. FEBS Lett 508, 61. 2001-01-01 [PMID: 11707269] (GS, WB)

R Voellmy et al. Evidence for a mechanism of repression of heat shock factor 1 transcriptional activity by a multichaperone complex;. J. Biol Chem 276, 45791. 2001-01-01 [PMID: 11583998] (IP)

DS Latchman et al. Signal transducer and activator of transcription-1 and heat shock factor-1 interact and activate the transcription of the Hsp-70 and Hsp-90 beta gene promoters; J. Biol Chem 274, 1723. 1999-01-01 [PMID: 9880553] (IP)



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Products Related to NBP1-97475-0.05mg

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBC1-18373	Recombinant Human HSF1 His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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