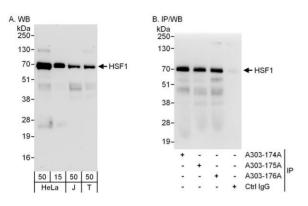
HSF1 Antibody

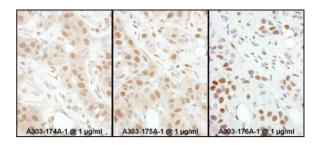
Rabbit Polyclonal					
Antigen Affinity Purified			Protein ID	NP_005517.1	
Catalog No. A303–176A		176A (GenelD	3297	
Lot No.	A303-	176A-1			LABORATORIES, INC
APPLICATIONS		WB, IP, IHC			
SPECIES REACTIVITY		Human			
PRESUMED REACTIVITY		Based on 100% sequence identity, this antibody is predicted to react with Bovine			
AMOUNT		100 µl			
CONCENTRATION		200 µg/ml			
STORAGE/SHELF LIFE		2 - 8° C / 1 year from date of receipt			
PHYSICAL STATE		Liquid			
BUFFER		Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide			
ISOTYPE		IgG			
ORIGIN		USA			
PRODUCTION		Antibody was affinity purified using an epitope specific to HSF1 immobilized on solid support.			
PROCEDURES		The epitope recognized by A303–176A maps to a region between residue 479 and 529 of human Heat Shock Transcription Factor 1 using the numbering given in entry NP_005517.1 (GeneID 3297).			
		Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.			
APPLICATIONS		Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.			
		Western Blot	1:2	,000 - 1:10,000	
		Immunoprecipita	ation 2 -	10 µg/mg lysate	
		Immunohistoche		00 – 1:1,000. Epitope retriev ommended for FFPE tissue so	ral with citrate buffer pH 6.0 is ections.
APPLICATION NOTES		Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100–020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120–113P) and 4–20% SDS–PAGE (link to IP–western blot protocol in Additional Info section below).			
IHC HUMAN CONTROLS		Western blot of lysates performed using standard western blot reagents and 4–20% SDS-PAGE. Breast Carcinoma, Ovarian Carcinoma			
ADDITIONAL INFO		https://www.bethyl.com/product/A303-176A Use the link above to view SDS, a current list of citations, and other product specific information. IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB			

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019

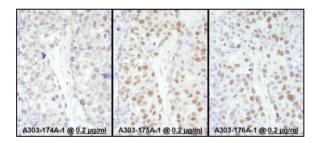
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Detection of human HSF1 by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded), Jurkat (J; 50 µg) and HEK293T (T; 50 µg) cells. Antibodies: Affinity purified rabbit anti-HSF1 antibody A303-176A used for WB at 0.04 µg/ml (A) and 1 µg/ml (B) and used for IP at 6 µg/mg lysate. HSF1 was also immunoprecipitated by rabbit anti-HSF1 antibodies A303-174A and A303-175A, which recognize upstream epitopes. Detection: Chemiluminescence with exposure times of 30 seconds (A) and 3 seconds (B).



Detection of human HSF1 by immunohistochemistry. *Samples:* FFPE sections of human breast carcinoma. *Antibody:* Affinity purified rabbit anti- HSF1 Cat. No. A303-174A Lot1 used at a dilution of 1:1,000 (1µg/ml) (left), Cat. No. A303-175A Lot1 used at a dilution of 1:1,000 (1µg/ml) (center) and Cat. No. A303-176A Lot1 used at a dilution of 1:200 (1µg/ml) (right). *Detection:* DAB



Detection of human HSF1 by immunohistochemistry.

Samples: FFPE sections of human ovarian carcinoma. Antibody: Affinity purified rabbit anti- HSF1 Cat. No. A303-174A Lot1 used at a dilution of 1:5,000 (0.2µg/ml) (left), Cat. No. A303-175A Lot1 used at a dilution of 1:5,000 (0.2µg/ml) (center) and Cat. No. A303-176A Lot1 used at a dilution of 1:1,000 (0.2µg/ml) (right). Detection: DAB

Bethyl Laboratories, Inc. • 25043 West FM 1097 • Montgomery, TX 77356 • 800.338.9579 • 936.597.6111 • 866.597.6105 (FAX) • www.bethyl.com • technical@bethyl.com

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