HSF1 Antibody										
Rabbit Polyclonal Antigen Affinity Purified			Protein ID	NP_005517.1						
Catalog No.	log No. A303–174A		GenelD	3297	RETUVI					
Lot No.	A303-	74A-1 DE LABORATORIE								
APPLICATIONS IF		IP, IHC								
SPECIES REACTIVITY		Human								
AMOUNT		100 µl								
CONCENTRATION		1000 μg/ml								
STORAGE/SHELF LIFE		2 – 8° C / 1 year from date of receipt								
PHYSICAL STATE		Liquid								
BUFFER		Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide								
ISOTYPE		IgG								
ORIGIN		USA								
PRODUCTION PROCEDURES		Antibody was affinity purified using an epitope specific to HSF1 immobilized on solid support.								
FROCEDURES		The epitope recognized by A303–174A maps to a region between residue 225 and 275 of humar 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 2 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	No	t recommended						
		Immunoprecipita	tion 2 –	10 µg/mg lysate						
		Immunohistochei	-	500 – 1:5,000. Epitope ret commended for FFPE tissu	rieval with citrate buffer pH 6.0 is e sections.					
APPLICATION NOTES Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-20% SDS- (link to IP-western blot protocol in Additional Info section below).										
IHC HUMAN CO	NTROLS	Breast Carcinoma,	, Ovarian Ca	arcinoma						
ADDITIONAL IN	IFO	https://www.bethyl.com/product/A303–174A								
		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								

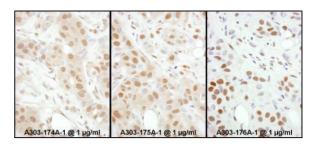
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019

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kDa 250-		IP/W	/B			
130-						
70-	-	-	-		+ HSF1	
51-		-	-			
38-						
28-						
19-						
	+	-	-	-	A303-174A	
	-	+	-	÷	A303-175A A303-176A	IP
	-	-	+	-	A303-176A	11-
	-	-	-	+	Ctrl IgG	

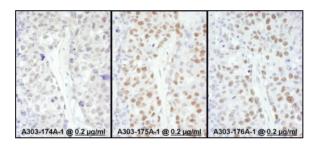
Detection of human HSF1 by western blot of

immunoprecipitates. *Samples:* Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-HSF1 antibody A303-174A used for IP at 6 μ g/mg lysate. HSF1 was also immunoprecipitated by rabbit anti-HSF1 antibodies A303-175A and A303-176A, which recognize downstream epitopes. For blotting immunoprecipitated HSF1, A303-176A was used at 1 μ g/ml. *Detection:* Chemiluminescence with an exposure time of 3 seconds.



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

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