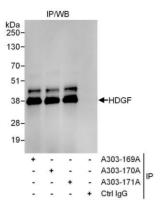
## **HDGF** Antibody

Rabbit Polyclonal Antigen Affinity Purifi Catalog No. A303- Lot No. A303-			NP_004485.1 3068	BETHYL LABORATORIES, INC
APPLICATIONS	IP, IHC			
SPECIES REACTIVITY	Human, Mouse			
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Rat			
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	lgG			
ORIGIN	USA			
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to HDGF immobilized on solid support.			
INCLUCINES	The epitope recognized by A303–169A maps to a region between residue 100 and 150 of human Hepatoma–Derived Growth Factor using the numbering given in entry NP_004485.1 (GeneID 3068).			
	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	No	t recommended	
	Immunoprecipitation	2 -	- 10 µg/mg lysate	
	Immunohistochemistr	<i>,</i>	1,000 – 1:5,000. Epitope retrieval v commended for FFPE tissue section	
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	Breast Carcinoma, Ovarian Carcinoma, Stomach Adenocarcinoma, Testicular Seminoma			
IHC MOUSE CONTROLS	Renal Cell Carcinoma, Teratoma			
ADDITIONAL INFO	https://www.bethyl.com/product/A303-169A 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			

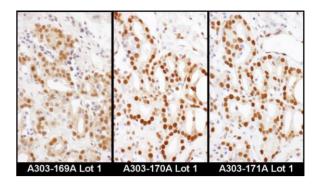
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019

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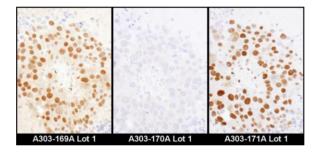


Detection of human HDGF by western blot of

**immunoprecipitates.** *Samples:* Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-HDGF antibody A303–169A used for IP at 6  $\mu$ g/mg lysate. HDGF was also immunoprecipitated by rabbit anti-HDGF antibodies A303–170A and A303–171A, which recognize downstream epitopes. For blotting immunoprecipitated HDGF, A303–170A was used at 1  $\mu$ g/ml. *Detection:* Chemiluminescence with an exposure time of 1 second.



Detection of human HDGF by immunohistochemistry. Samples: FFPE serial sections of human breast carcinoma. Antibody: Affinity purified rabbit anti- HDGF (Cat. No. A303-169A Lot1, left image, A303-170A Lot1, middle image and Cat. No. A303-171A Lot1, right image) used at a dilution of 1:1,000 (1µg/ml) or 1:200 (1µg/ml). Detection: DAB. Counterstain: Hematoxylin (blue).



Detection of mouse HDGF by immunohistochemistry.

Samples: FFPE serial sections of mouse renal cell carcinoma. Antibody: Affinity purified rabbit anti- HDGF (Cat. No. A303-169A Lot1, left image, A303-170A Lot1, middle image and Cat. No. A303-171A Lot1, right image) used at a dilution of 1:1,000 (1µg/ml) or 1:200 (1µg/ml). Detection: DAB