## B7-H3/CD276 Antibody

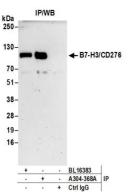
Rabbit Polyclonal						
Antigen Affinit	h	Protein ID	NP_0010199	07.1	A AND	
Catalog No. A304–368A			GenelD	80381		
Lot No.	A304-3	368A-1				BETHYL LABORATORIES, INC
APPLICATIONS		IP, IHC				
SPECIES REACTIVITY		Human				
PRESUMED REACTIVITY		Based on 100% sequence identity, this antibody is predicted to react with Mouse and 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		IgG				
ORIGIN		USA				
PRODUCTION PROCEDURES		Antibody was affinity purified using an epitope specific to B7-H3/CD276 immobilized on solid support.				
		The epitope recognized by A304-368A maps to a region between residue 484 to 534 of human CD276 Molecule using the numbering given in entry NP_001019907.1 (GeneID 80381).				
		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		ot recommended 67A.	. Use rabbit anti-B7-H3/CD	276 antibody A304-
		Immunoprecipit	ation 2	– 10 µg/mg lysat	e	
		Immunohistoche			). Epitope retrieval with citra FFPE tissue sections.	ate buffer pH 6.0 is
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		Prostate Carcinoma, MCF-7 Cells				
ADDITIONAL INFO		https://www.bethyl.com/product/A304-368A 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

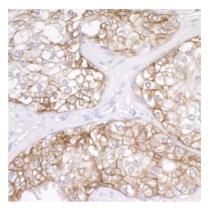
Bethyl Laboratories, Inc. • 25043 West FM 1097 • Montgomery, TX 77356 • 800.338.9579 • 936.597.6111 • 866.597.6105 (FAX) • www.bethyl.com • technical@bethyl.com

For in vitro laboratory use only. Not for any clinical, therapeutic or diagnostic use in humans or animals. Not for human or animal consumption. This product may not be resold or modified for resale without the prior written approval of Bethyl Laboratories, Inc. The information provided in this data sheet is believed to be correct but does not purport to be all-inclusive and is intended to be used as a guide. Bethyl Laboratories, Inc. shall not be liable or responsible in any way for use of either this information or the material supplied. Disposal of hazardous material may be subject to federal, state or local laws or regulations.

A304-368A

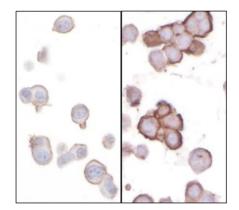


Detection of human B7–H3/CD276 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) prepared using NETN buffer from HeLa cells. *Antibodies:* Affinity purified rabbit anti-B7–H3/CD276 antibody A304–368A (lot A304–368A–1) used for IP at 6 µg per reaction. B7– H3/CD276 was also immunoprecipitated by rabbit anti-B7– H3/CD276 antibody BL16383. For blotting immunoprecipitated B7–H3/CD276, A304–367A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



## Detection of human B7-H3/CD276 by

**immunohistochemistry.** *Sample:* FFPE section of human prostate carcinoma. *Antibody:* Affinity purified rabbit anti-B7-H3/CD276 (Cat. No. A304-368A Lot 1) used at a dilution of 1:5,000 (0.2µg/ml). *Detection:* DAB Counterstain: IHC hematoxylin



Detection of human B7–H3/CD276 by immunocytochemistry. *Samples:* FFPE sections of MCF-7 cells (endogenous expression) and CD276 transfected Hek293 cells (over-expression). *Antibody:* Affinity purified rabbit anti-B7–H3/CD276 (Cat. No. A304–368A Lot 1) used at a dilution of 1:5,000 (0.2µg/ml). *Detection:* DAB