

B7-H3/CD276 Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP_001019907.1

Catalog No. A304-368A-T GenelD 80381

Lot No. A304-368A-T-1

APPLICATIONS	IP, IHC
SPECIES REACTIVITY	Human
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Mouse and Rat
AMOUNT	10 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-T maps to a region between residue 484 to 534 of human CD276 Molecule using the numbering given in entry NP_001019907.1 (GenelD 80381).

Immunoglobulin 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 Not recommended. Use rabbit anti-B7-H3/CD276 antibody A304-367A.

Immunoprecipitation 2 – 10 µg/mg lysate

Immunohistochemistry 1:2,000 – 1:10,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

ADDITIONAL INFO <https://www.bethyl.com/product/A304-368A-T>

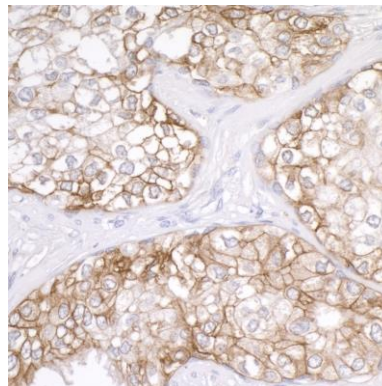
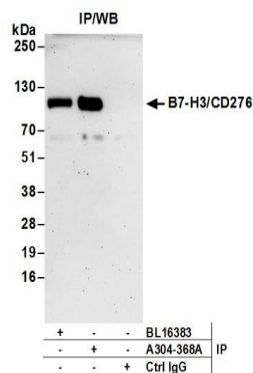
Use the link above to view SDS, a current list of citations, and other product specific information.

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.

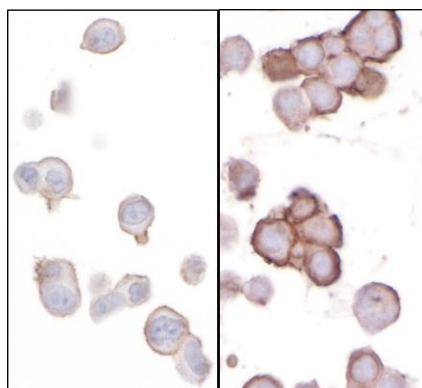
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Detection of human B7-H3/CD276 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) prepared using NETN buffer from HeLa cells. *Antibodies:* Affinity purified rabbit anti-B7-H3/CD276 antibody A304-368A (lot A304-368A-1) used for IP at 6 μ g 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 μ g/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 (0.2 μ g/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 (0.2 μ g/ml). *Detection:* DAB