

Rabbit anti-Rat B7-H3 Polyclonal Antibody | anti-CD276 antibody

Anti-B7-H3 Antibody, Rabbit Polyclonal

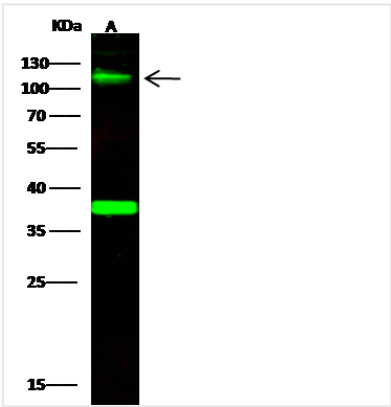
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257325	Rabbit	Rat	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

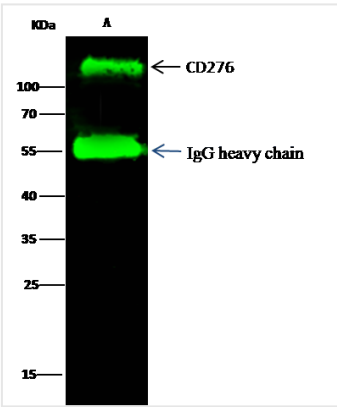
B7-H3; Polyclonal Antibody; Anti-B7-H3 Antibody; Rabbit Polyclonal; B7-H3/CD276 Antibody; Rabbit PAb; Antigen Affinity Purified; CD276 molecule; anti-CD276 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rat B7-H3/CD276
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CD276 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Rat B7-H3/CD276 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Rat B7-H3/CD276. B7-H3/CD276 specific IgG was purified by Rat B7-H3/CD276 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)
Anti-CD276 rabbit polyclonal antibody at 1:500 dilution Lane A: A431 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 110 kDa Observed band size: 110 kDa (We are unsure as to the identity of these extra bands).



IP (Immunoprecipitation)
rat CD276 was immunoprecipitated using: Lane A: 0.5 mg A431 Whole Cell Lysate 0.5 uL anti-rat CD276 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-rat CD276 rabbit polyclonal antibody, at 1:500 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 110 kDa Observed band size: 110 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-CD276 antibody	B7-H3 is a member of the B7 family of immune regulatory ligands that is thought to attenuate peripheral immune responses through co-inhibition. It plays an important role in adaptive immune responses, and was shown to either promote or inhibit T-cell responses in various experimental systems. B7-H3 may play an important role in muscle-immune interactions, providing further evidence of the active role of muscle cells in local immunoregulatory processes. B7-H3 is a novel protein structurally related to the B7 family of ligands by the presence of a single set of immunoglobulin-V-like and immunoglobulin-C-like (VC) domains. Previous studies have correlated its overexpression with poor prognosis and decreased tumor-infiltrating lymphocytes in various carcinomas including uterine endometrioid carcinomas, and mounting evidence supports an immuno-inhibitory role in ovarian cancer prognosis. Recently, B7-H3 expression has been reported in several human cancers indicating an additional function of B7-H3 as a regulator of antitumor immunity.
Product Categories/Family for anti-CD276 antibody	Cancer Drug Targets
References	Suh WK, et al. (2004) The immune regulatory protein B7-H3 promotes osteoblast differentiation and bone mineralization. Proc Natl Acad Sci U S A. 101(35): 12969-73. Waschbisch A, et al. (2008) Human muscle cells express the costimulatory molecule B7-H3, which modulates muscle-immune interactions. Arthritis Rheum. 58(11): 3600-8. Loos M, et al. (2010) B7-h3 and its role in antitumor immunity. Clin Dev Immunol. 2010: 683875. Zang X, et al. (2010) Tumor associated endothelial expression of B7-H3 predicts survival in ovarian carcinomas. Mod Pathol. 23(8): 1104-12. Sun J, et al. (2010) Clinical significance and regulation of the costimulatory molecule B7-H3 in human colorectal carcinoma. Cancer Immunol Immunother. 59(8): 1163-71.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33414525
NCBI GeneID	315716
NCBI Accession #	NP_877976.1
NCBI GenBank Nucleotide #	NM_182824.2
UniProt Accession #	Q7TPB4
Molecular Weight	34,075 Da
NCBI Official Full Name	CD276 antigen
NCBI Official Synonym Full Names	Cd276 molecule

NCBI Official Symbol	Cd276
NCBI Official Synonym Symbols	B7h3; B7RP-2
NCBI Protein Information	CD276 antigen; B7-H3; B7 homolog 3; costimulatory molecule
UniProt Protein Name	CD276 antigen
UniProt Gene Name	Cd276
UniProt Synonym Gene Names	B7h3; B7-H3
UniProt Entry Name	CD276_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/b7-h3-antibody-immunoprecipitation-western-blot-elisa/257325>