

Rabbit CD276 Polyclonal Antibody | anti-CD276 antibody

CD276 Antibody

CATALOG # AAA40871	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, ELISA
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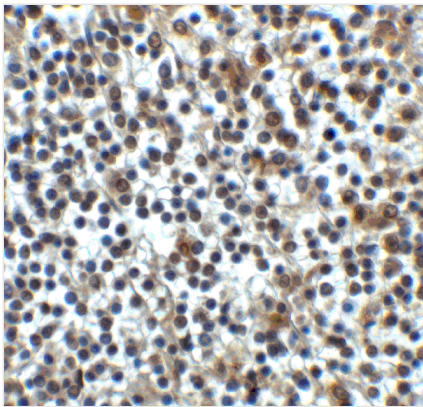
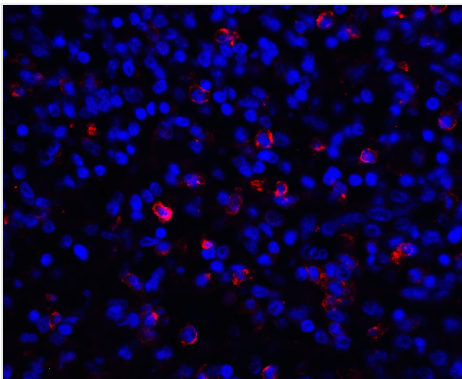
PRODUCT SYNONYMS

CD276; Polyclonal Antibody; CD276 Antibody; CD276 molecule; B7H3; B7-H3; B7RP-2; 4Ig-B7-H3; anti-CD276 antibody

PRODUCT SPECIFICATIONS

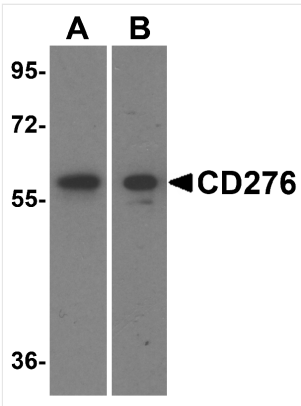
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least three antibodies are known to exist; this antibody will detect all three isoforms.
Purity/Purification	Affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	534
Applicable Applications for anti-CD276 antibody	WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	CD276 antibody was raised against a peptide corresponding to 19 amino acids near the carboxy terminus of CD276. The immunogen is located within amino acids 484 - 534 of CD276.
Buffer	CD276 Antibody is supplied in PBS containing 0.02% sodium azide.
Species	Human
Preparation and Storage	Store at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of CD276 in human spleen tissue with CD276 antibody at 20 μ g/ml. Red: CD276 Antibody (8689) Blue: DAPI staining

IHC (Immunohistochemistry)
Immunohistochemistry of CD276 in human spleen tissue with CD276 antibody at 2 μ g/ml.



WB (Western Blot)
Western blot analysis of CD276 in (A) human spleen and (B) mouse spleen tissue lysate with CD276 antibody at 0.5 μ g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-CD276 antibody	CD276, also known as B7-H3, was initially identified as a member of the B7 family of proteins through its homology with previously identified B7 molecules (1). CD276 mRNA is widely expressed, but its protein expression is usually rather low (2). CD276 has been shown to play a role in both the costimulation as well as the coinhibition of T cell response (3). In a similar fashion, CD276 plays a critical role in the control of antitumor immune responses in some cases, while in others appears to mediate antitumor immunity (4). It thus joins other immune checkpoint proteins as a possible therapeutic target for at least a subset of cancers.
Product Categories/Family for anti-CD276 antibody	Cell Cycle; Cancer; Immunology; Immune Checkpoint
References	1. Chapoval AI, Ni J, Lau JS, et al. B7-H3: a costimulatory molecule for T cell activation and IFN-gamma production. Nat Immunol 2001; 2:269-74. 2. Sun M, Richards S, Prasad DV, et al. Characterization of mouse and human B7-H3 genes. J Immunol 2002; 168:6294-7. 3. Yi KH and Chen L. Fine tuning the immune response through B7-H3 and B7-H4. Immunol Rev 2009; 229:145-51. 4. Wang L, Kang FB, and Shan BE. B7-H3-mediated tumor immunology: friend or foe?. Int J Cancer 2014; 134:2764-71.

NCBI AND UNIPROT INFORMATION

NCBI GI #	67188443
NCBI GeneID	80381
NCBI Accession #	NP_001019907

NCBI GenBank Nucleotide #	NM_001024736.1
UniProt Accession #	Q5ZPR3 ; Q6P5Y4 ; Q6UXI2 ; Q8NB18 ; Q8NC34 ; Q8NCB6 ; Q9BXR1
Molecular Weight	Predicted: 35, 43, 57 kDa Observed: 59 kDa
NCBI Official Full Name	CD276 antigen isoform a
NCBI Official Synonym Full Names	CD276 molecule
NCBI Official Symbol	CD276
NCBI Official Synonym Symbols	B7H3; B7-H3; B7RP-2; 4Ig-B7-H3
NCBI Protein Information	CD276 antigen
UniProt Protein Name	CD276 antigen
UniProt Gene Name	CD276
UniProt Synonym Gene Names	B7H3; B7-H3

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://stage.aaabiotech.com/polyclonal/cd276-antibody-western-blot-elisa/40871>