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# Datasheet for ABIN7266182 anti-CD276 antibody (AA 100-200)

3 Images



## Overview

Quantity:	100 μL
Target:	CD276
Binding Specificity:	AA 100-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD276 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

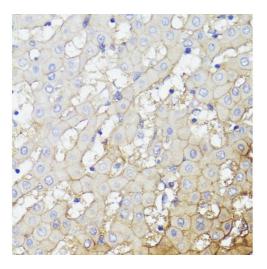
Purpose:	B7-H3/CD276 Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 100-200 of human B7- H3/CD276 (NP_001019907.1).
Sequence:	LAQGNASLRL QRVRVADEGS FTCFVSIRDF GSAAVSLQVA APYSKPSMTL EPNKDLRPGD TVTITCSSYQ GYPEAEVFWQ DGQGVPLTGN VTTSQMANEQ G
lsotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

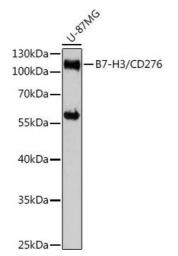
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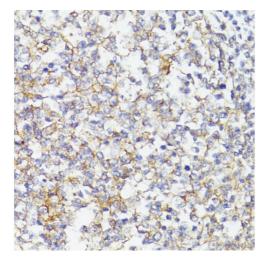
## Target Details

Target:	CD276
Alternative Name:	CD276 (CD276 Products)
Background:	The protein encoded by this gene belongs to the immunoglobulin superfamily, and thought to
	participate in the regulation of T-cell-mediated immune response. Studies show that while the
	transcript of this gene is ubiquitously expressed in normal tissues and solid tumors, the protein
	is preferentially expressed only in tumor tissues. Additionally, it was observed that the 3' UTR of
	this transcript contains a target site for miR29 microRNA, and there is an inverse correlation
	between the expression of this protein and miR29 levels, suggesting regulation of expression of
	this gene product by miR29. Alternatively spliced transcript variants encoding different
	isoforms have been found for this gene.,CD276;4Ig-B7-H3;B7-H3;B7H3;B7RP-2,Cancer,Tumor
	biomarkers,Immunology & Inflammation,CD markers,Stem Cells,Hematopoietic
	Progenitors,CD276
Molecular Weight:	33kDa/52kDa/57kDa
Gene ID:	80381
UniProt:	Q5ZPR3
Pathways:	Cancer Immune Checkpoints
Application Details	
Application Notes:	WB,1:500 - 1:2000
	IHC-P, 1:50 - 1:200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

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#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded Human liver cancer using CD276/B7-H3 antibody (ABIN7266182) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

#### Western Blotting

**Image 2.** Western blot analysis of extracts of U-87MG cells, using CD276/B7-H3 antibody (ABIN7266182) at 1:3000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Enhanced Kit (RM00021).Exposure time: 90s.

### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded Human tonsil using CD276/B7-H3 antibody (ABIN7266182) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

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