

**Goat Anti-B7-H3 / CD276 Antibody (C Terminus)**  
**Purified Goat Polyclonal Antibody**  
**Catalog # AF4309a****Specification**

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**Goat Anti-B7-H3 / CD276 Antibody (C Terminus) - Product Information**

Application	WB, E
Primary Accession	<a href="#">Q5ZPR3</a>
Other Accession	<a href="#">NP_001019907.1</a> , <a href="#">NP_079516.1</a> , <a href="#">80381</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	57235

**Goat Anti-B7-H3 / CD276 Antibody (C Terminus) - Additional Information****Gene ID** 80381**Other Names**

CD276; CD276 molecule; 4Ig-B7-H3; B7-H3; B7H3; B7RP-2; B7 homolog 3; costimulatory molecule

**Dilution**

WB~~1:1000

E~~N/A

**Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

**Immunogen**

Peptide with sequence C-KHSDSKEDDGQE, from the C Terminus of the protein sequence according to NP\_001019907.1; NP\_079516.1.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-B7-H3 / CD276 Antibody (C Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-B7-H3 / CD276 Antibody (C Terminus) - Protein Information****Name** CD276**Synonyms** B7H3

**Function**

May participate in the regulation of T-cell-mediated immune response. May play a protective role in tumor cells by inhibiting natural-killer mediated cell lysis as well as a role of marker for detection of neuroblastoma cells. May be involved in the development of acute and chronic transplant rejection and in the regulation of lymphocytic activity at mucosal surfaces. Could also play a key role in providing the placenta and fetus with a suitable immunological environment throughout pregnancy. Both isoform 1 and isoform 2 appear to be redundant in their ability to modulate CD4 T-cell responses. Isoform 2 is shown to enhance the induction of cytotoxic T-cells and selectively stimulates interferon gamma production in the presence of T-cell receptor signaling.

**Cellular Location**

Membrane; Single-pass type I membrane protein

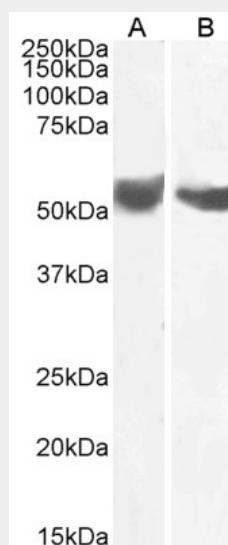
**Tissue Location**

Ubiquitous but not detectable in peripheral blood lymphocytes or granulocytes. Weakly expressed in resting monocytes Expressed in dendritic cells derived from monocytes. Expressed in epithelial cells of sinonasal tissue. Expressed in extravillous trophoblast cells and Hofbauer cells of the first trimester placenta and term placenta.

**Goat Anti-B7-H3 / CD276 Antibody (C Terminus) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat Anti-B7-H3 / CD276 Antibody (C Terminus) - Images**

AF4309a (0.1 µg/ml) staining of Human Placenta (A) and (2ug/ml) Testes (B) lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### **Goat Anti-B7-H3 / CD276 Antibody (C Terminus) - References**

Chen JT, Chen CH, Ku KL, Hsiao M, Chiang CP, Hsu TL, Chen MH, Wong CH.