

**Anti-CD272 Antibody**  
**Rabbit polyclonal antibody to CD272**  
**Catalog # AP61027****Specification**

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**Anti-CD272 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">Q7Z6A9</a> |
| Other Accession   | <a href="#">Q7TSA3</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 32834                  |

**Anti-CD272 Antibody - Additional Information****Gene ID** 151888**Other Names**

B- and T-lymphocyte attenuator; B- and T-lymphocyte-associated protein; CD272

**Target/Specificity**

Recognizes endogenous levels of CD272 protein.

**Dilution**

WB~~WB (1/500 - 1/1000)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-CD272 Antibody - Protein Information****Name** BTLA {ECO:0000303|PubMed:12796776, ECO:0000312|HGNC:HGNC:21087}**Function**

Inhibitory receptor on lymphocytes that negatively regulates antigen receptor signaling via PTPN6/SHP-1 and PTPN11/SHP-2 (PubMed:<a href="http://www.uniprot.org/citations/12796776" target="\_blank">12796776</a>, PubMed:<a href="http://www.uniprot.org/citations/14652006" target="\_blank">14652006</a>, PubMed:<a href="http://www.uniprot.org/citations/15568026" target="\_blank">15568026</a>, PubMed:<a href="http://www.uniprot.org/citations/18193050" target="\_blank">18193050</a>). May interact in cis (on the same cell) or in trans (on other cells) with TNFRSF14 (PubMed:<a href="http://www.uniprot.org/citations/19915044" target="\_blank">19915044</a>). In cis interactions, appears to play an immune regulatory role inhibiting in trans interactions in naive T cells to maintain a resting state. In trans interactions, can

predominate during adaptive immune response to provide survival signals to effector T cells (PubMed:<a href="http://www.uniprot.org/citations/19915044" target="\_blank">19915044</a>).

#### Cellular Location

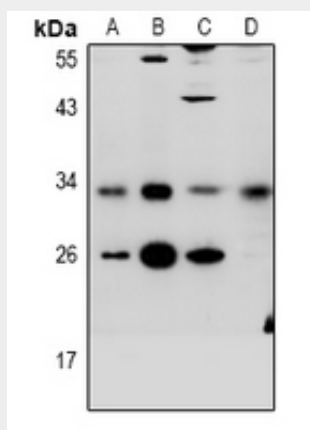
Cell membrane; Single-pass type I membrane protein

### Anti-CD272 Antibody - 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](#)

### Anti-CD272 Antibody - Images



Western blot analysis of CD272 expression in HCT116 (A), LO2 (B), C6 (C), CT26 (D) whole cell lysates.

### Anti-CD272 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD272. The exact sequence is proprietary.