

**PDCD1LG2 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP12309a**

**Specification**

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**PDCD1LG2 Antibody (N-term) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">O9BQ51</a>
Other Accession	<a href="#">NP_079515.2</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Antigen Region	<b>46-75</b>

**PDCD1LG2 Antibody (N-term) - Additional Information**

**Gene ID** 80380

**Other Names**

Programmed cell death 1 ligand 2, PD-1 ligand 2, PD-L2, PDCD1 ligand 2, Programmed death ligand 2, Butyrophilin B7-DC, B7-DC, CD273, PDCD1LG2, B7DC, CD273, PDCD1L2, PDL2

**Target/Specificity**

This PDCD1LG2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 46-75 amino acids from the N-terminal region of human PDCD1LG2.

**Dilution**

WB~~1:1000-1:2000

IHC-P~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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

**Precautions**

PDCD1LG2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**PDCD1LG2 Antibody (N-term) - Protein Information**

**Name** PDCD1LG2

**Synonyms** B7DC, CD273, PDCD1L2, PDL2

**Function** Involved in the costimulatory signal, essential for T-cell proliferation and IFNG production in a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation by blocking cell cycle progression and cytokine production (By similarity).

**Cellular Location**

[Isoform 3]: Secreted [Isoform 1]: Cell membrane; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q9WUL5, ECO:0000305|PubMed:15340161}

**Tissue Location**

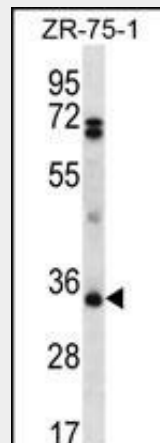
Highly expressed in heart, placenta, pancreas, lung and liver and weakly expressed in spleen, lymph nodes and thymus

**PDCD1LG2 Antibody (N-term) - Protocols**

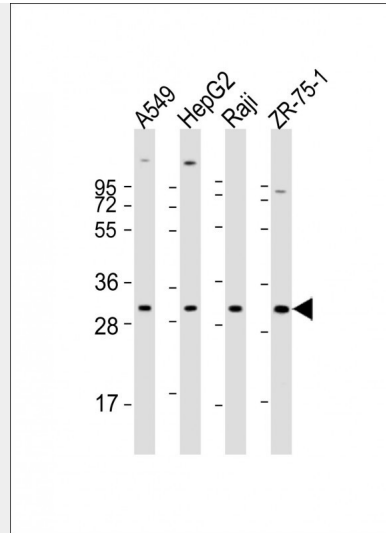
Provided below are standard protocols that you may find useful for product applications.

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

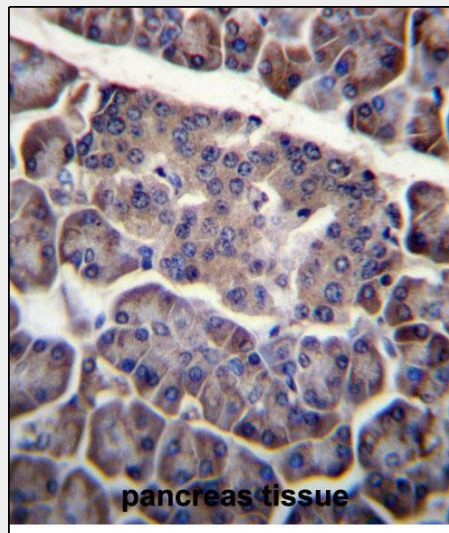
**PDCD1LG2 Antibody (N-term) - Images**



PDCD1LG2 Antibody (N-term) (Cat. #AP12309a) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the PDCD1LG2 antibody detected the PDCD1LG2 protein (arrow).



All lanes : Anti-PDCD1LG2 Antibody (N-term) at 1:1000-1:2000 dilution Lane 1: A549 whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: Raji whole cell lysate Lane 4: ZR-75-1 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 31 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



PDCD1LG2 Antibody (N-term) (Cat. #AP12309a) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PDCD1LG2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

### **PDCD1LG2 Antibody (N-term) - Background**

PDCD1LG2 is involved in the costimulatory signal, essential for T-cell proliferation and IFNG production in a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation by blocking cell cycle progression and cytokine production (By similarity).

### **PDCD1LG2 Antibody (N-term) - References**

- Ellis, J.S., et al. J. Immunol. 185(6):3149-3157(2010)
- Pena-Cruz, V., et al. J. Invest. Dermatol. 130(9):2222-2230(2010)
- Ghiotto, M., et al. Int. Immunol. 22(8):651-660(2010)
- Ishizaki, Y., et al. Hum. Genet. (2010) In press :

Kassel, R., et al. Hepatology 50(5):1625-1637(2009)