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# PDCD1LG2 Antibody (N-term)

**Affinity Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP12309a**

## Specification

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

| | |
|---|---|
| Application | **WB, IHC-P,E** |
| Primary Accession | Q9BQ51 |
| Other Accession | NP_079515.2 |
| Reactivity | **Human** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Antigen Region | **46-75** |

### 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}

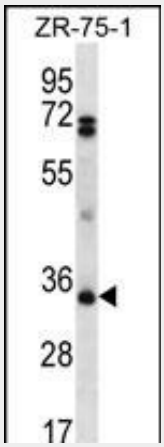
**Tissue Location**
Highly expressed in heart, placenta, pancreas, lung and liver and weakly expressed in spleen, lymph nodes and thymus

## 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 Cytomety
- 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).

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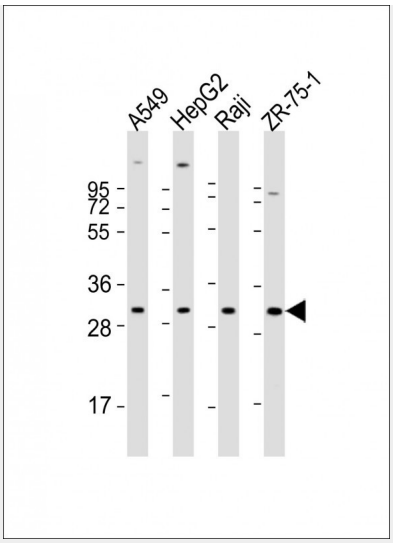
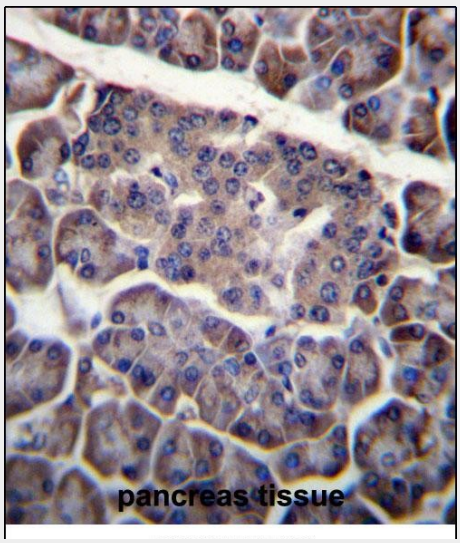



All lanes : Anti-PDCD1LG2 Antibody (N-term) at 1:1000-1:2000 dilution Lane 1: A549 whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: Raji whole cell lysate Lane 4: ZR-75-1 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 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)