

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	O9BQ51
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

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

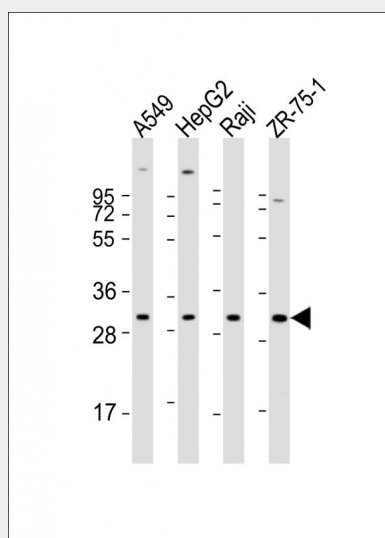
Highly expressed in heart, placenta, pancreas, lung and liver and weakly expressed in spleen, lymph nodes and thymus

PDCD1LG2 Antibody (N-term) - Protocols

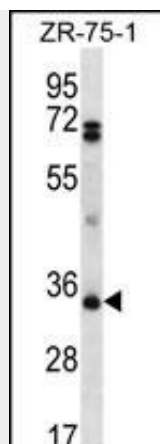
Provided below are standard protocols that you may find useful for product applications.

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

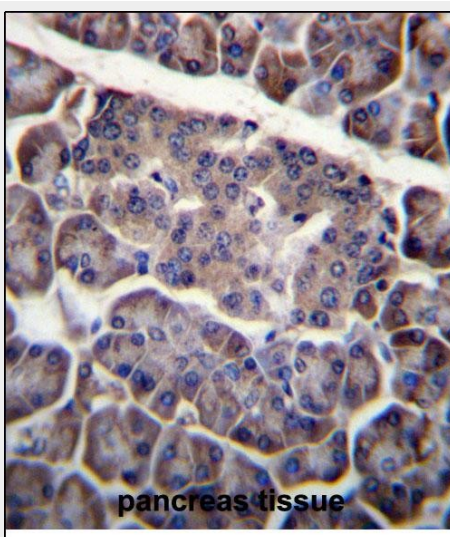
PDCD1LG2 Antibody (N-term) - Images



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



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)