

For Research Use Only

PD-L1/CD274 (C-terminal) Polyclonal antibody



Catalog Number: 28076-1-AP

Featured Product

74 Publications

Basic Information

Catalog Number:

28076-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27557

GenBank Accession Number:

BC074984

GeneID (NCBI):

29126

UNIPROT ID:

Q9NZQ7

Full Name:

CD274 molecule

Calculated MW:

290 aa, 33 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:300-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:500-1:2000

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IF-P, IHC, IP, WB, ELISA

Cited Applications:

WB, IP, IF, IHC, CHIP, ELISA

Species Specificity:

Human, mouse, rat

Cited Species:

human, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: IFN gamma treated A549 cells, mouse heart tissue, rat heart tissue, MDA-MB-231 cells, human placenta tissue, THP-1 cells

IP: human placenta tissue,

IHC: human tonsillitis tissue, human placenta tissue, human breast cancer tissue, human lung cancer tissue, human cervical cancer tissue

IF: human tonsillitis tissue,

Background Information

Programmed cell death ligand 1 (PD-L1, CD274, or B7-H1), is the first member of B7 family to be discovered. B7 family molecules are type I transmembrane proteins belonging to the immunoglobulin superfamily. In concert with their CD28 family receptors, the B7s are key regulators of the adaptive immune response. PD-L1 is suggested as a negative regulator of T and B cell, and plays important role in mediating tolerance of lymphocytes to self-antigens. It is also involved in the costimulatory signal, essential for T-cell proliferation and production of IL10 and IFNG, in an IL2-dependent and a PD-1-independent manner.

Notable Publications

Author	Pubmed ID	Journal	Application
Lan Zhang	34586738	Clin Transl Med	WB, IP
Wei-Fa Yang	30409325	Oral Oncol	IHC
Tseng-Cheng Chen	26365985	Oral Oncol	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

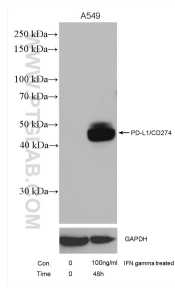
T: 4006900926

E: Proteintech-CN@ptglab.com

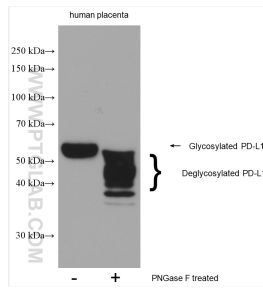
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

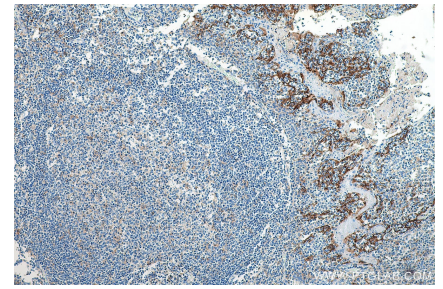
Selected Validation Data



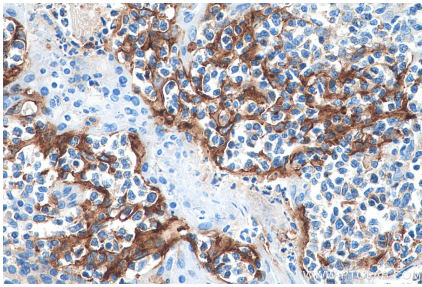
Lysates of untreated and IFN gamma treated A549 cells were subjected to SDS PAGE followed by western blot with 28076-1-AP (PD-L1/CD274 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



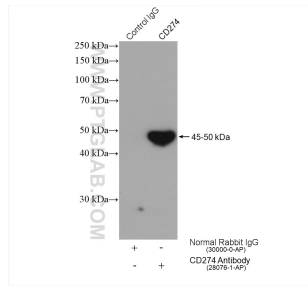
Untreated and PNGase F-treated lysates of human placenta were subjected to SDS PAGE followed by western blot with 28076-1-AP (PD-L1/CD274 (C-terminal) antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



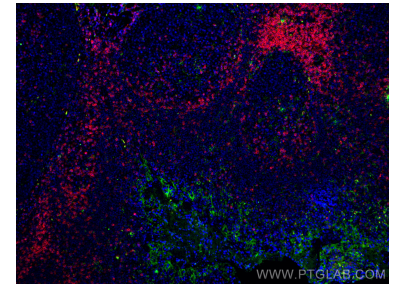
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 28076-1-AP (PD-L1/CD274 (C-terminal) antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 28076-1-AP (PD-L1/CD274 (C-terminal) antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-PD-L1/CD274 (C-terminal) (IP:28076-1-AP, 4ug; Detection:28076-1-AP 1:500) with human placenta tissue lysate 800 ug.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using PD-L1/CD274 (C-terminal) antibody (28076-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CoraLite®594 CD3 antibody (CL594-60181, Clone: 3F3A1, red).