

[KO Validated] PD-L1/CD274 Rabbit mAb

Catalog No.: A29258 **KO** **Validated** **Recombinant**

Basic Information

Observed MW

40-50 kDa

Calculated MW

20-33 kDa

Category

Primary antibody

Applications

WB, IP, IHC-P, ELISA

Cross-Reactivity

Human

CloneNo number

ARC4006

Background

This gene encodes an immune inhibitory receptor ligand that is expressed by hematopoietic and non-hematopoietic cells, such as T cells and B cells and various types of tumor cells. The encoded protein is a type I transmembrane protein that has immunoglobulin V-like and C-like domains. Interaction of this ligand with its receptor inhibits T-cell activation and cytokine production. During infection or inflammation of normal tissue, this interaction is important for preventing autoimmunity by maintaining homeostasis of the immune response. In tumor microenvironments, this interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Expression of this gene in tumor cells is considered to be prognostic in many types of human malignancies, including colon cancer and renal cell carcinoma. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB 1:2000 - 1:25000**IP** 0.5 µg - 4 µg antibody for
200 µg - 400 µg extracts of
whole cells**IHC-P** 1:50 - 1:200**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay requirements.
For high-ratio antibody
dilutions ($\geq 1:10000$) a
sequential dilution method
is strongly recommended to
ensure measurement
accuracy.

Immunogen Information

Gene ID

29126

Swiss Prot

Q9NZQ7

Immunogen

This information is considered to be commercially sensitive.

Synonyms

B7-H; B7H1; PDL1; PD-L1; hPD-L1; PDCD1L1; PDCD1LG1

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% sodium azide, 0.05% BSA, 50% glycerol, pH7.3

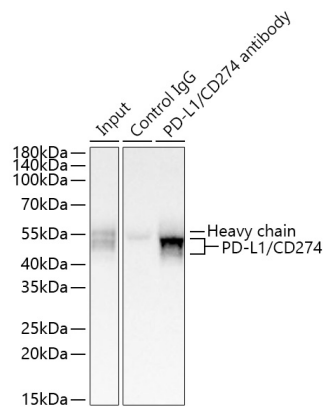
Contact

☎ | 400-999-6126

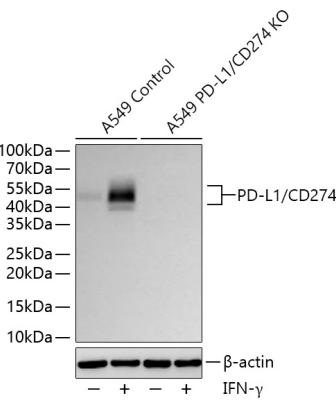
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

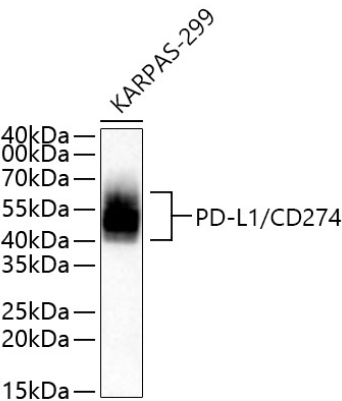
Validation Data



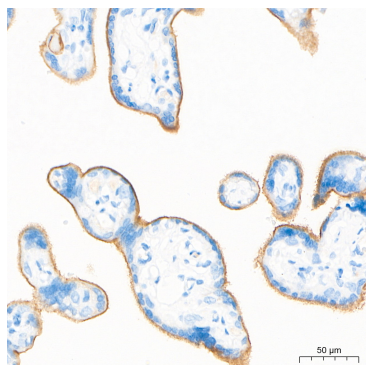
Immunoprecipitation of PD-L1/CD274 from 400 µg extracts of KARPAS-299 cells was performed using 2 µg of [KO Validated] PD-L1/CD274 Rabbit mAb (A29258). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using [KO Validated] PD-L1/CD274 Rabbit mAb (A29258) at a dilution of 1:2000.



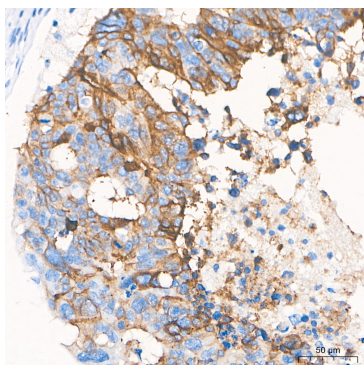
Western blot analysis of lysates from wild type (WT) and PD-L1/CD274 knockout (KO) A549 cells using [KO Validated] PD-L1/CD274 Rabbit mAb (A29258) at 1:5000 dilution incubated overnight at 4°C. A549 cells were treated with IFN-γ (100 ng/mL) at 37°C for 48 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45 s.



Western blot analysis of lysates from KARPAS-299 cells using [KO Validated] PD-L1/CD274 Rabbit mAb (A29258) at 1:25000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45 s.



Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using [KO Validated] PD-L1/CD274 Rabbit mAb (A29258) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using [KO Validated] PD-L1/CD274 Rabbit mAb (A29258) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.