

Anti-PD-L2 Antibody (2N448)

Product Details

Ig Type:	IgG2b
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	2N448
Purification:	Protein A purified

Applications

1. Western Blot

- Positive WB detected in: HepG2 whole cell lysate, Hela whole cell lysate, PC-3 whole cell lysate, A549 whole cell lysate
- All lanes PD-L2 antibody at 1:2000
- Secondary: Goat polyclonal to mouse IgG at 1/50000 dilution
- Predicted band size: 31,21 KDa
- Observed band size: 45-50 KDa
- Exposure time:5min

2. Western Blot

- Positive WB detected in: Hela whole cell lysate at 20µg, 10µg, 5µg, 2.5µg, 1.25µg
- All lanes: PD-L2 antibody at 1:2000
- Secondary: Goat polyclonal to mouse IgG at 1/50000 dilution
- Predicted band size: 31,21 KDa
- Observed band size: 45-50 KDa
- Exposure time:5min

3. Western Blot

- Positive WB detected in: 15µg hela whole cell lysate PD-L2 antibody at 1:5000, 1:10000, 1:20000, 1:40000, 1:80000, 1:160000, 1:320000, 1:640000
- Secondary: Goat polyclonal to mouse IgG at 1/50000 dilution
- Predicted band size: 31,21 KDa
- Observed band size: 45-50 KDa
- Exposure time:5min

Verified Activity:

- 4. IHC image of TMAH-00872 diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.
- 5. Immunofluorescence staining of HepG2 cells with TMAH-00872 at 1:100, counter-stained with DAPI. The cells were incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).
- 6. Immunofluorescence staining of Hela cells with TMAH-00872 at 1:100, counter-stained with DAPI. The cells were incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).

7. Immunofluorescence staining of Raji cells with TMAH-00872 at 1:100, counter-stained with DAPI. The cells were incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).

8. Immunofluorescence staining of U251 cells with TMAH-00872 at 1:100, counter-stained with DAPI. The cells were incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).

9. Overlay histogram showing 293 cells transfected with PD-L2 stained with TMAH-00872 (red line). The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (2µg/1*10⁶cells) for 1 h at 4°C. The secondary antibody used was R-PE-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG2b (2µg/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.

10. Immunoprecipitating PD-L2 in Hela whole cell lysate

-Lane 1: Mouse control IgG instead of TMAH-00872 in Hela whole cell lysate

-Lane 2: TMAH-00872 (2µl) + Hela whole cell lysate (500µg)

-Lane 3: Hela whole cell lysate (20µg)

For western blotting, the blot was detected with TMAH-00872 at 1:2000, and a HRP-conjugated Protein G antibody was used as the secondary antibody at 1:2000

Application: ELISA,FCM,IF,IHC,IP,WB

Properties

Purity: >95%

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human Programmed cell death 1 ligand 2 Protein (21-118AA)

Antigen Species: Human

Gene ID: 80380

Uniprot ID: Q9BQ51

Synonyms: CD273, PDCD1 ligand 2;Btdc;B7DC;Butyrophilin B7-DC;PDCD1LG2;bA574F11.2;PDL2;PDCD1L2; PD-L2

Biology Area: Immunology

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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