

PD-L2 Rabbit mAb

Catalog # AP74826

Product Information

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|--------------------------|------------------------|
| Application | WB |
| Primary Accession | Q9BQ51 |
| Reactivity | Rat, Human, Mouse |
| Host | Rabbit |
| Clonality | Monoclonal Antibody |
| Isotype | IgG |
| Conjugate | Unconjugated |
| Purification | Affinity Purified |
| Calculated MW | 30957 |

Additional Information

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|--------------------|---|
| Gene ID | 80380 |
| Other Names | PDCD1LG2 |
| Dilution | WB~~1:1000-1:5000 |
| Format | Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

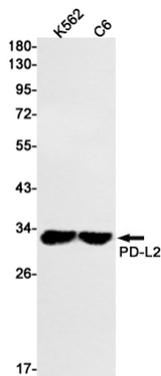
Protein Information

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|--------------------------|---|
| Name | PDCD1LG2 |
| Synonyms | B7DC, CD273, PDCD1L2, PDL2 |
| Function | Plays a critical role in induction and maintenance of immune tolerance to self (PubMed: 11224527 , PubMed: 12538684). Acts as a ligand for the inhibitory receptor PDCD1/PD-1, inhibiting T-cell proliferation by blocking cell cycle progression and cytokine production (PubMed: 11224527). |
| Cellular Location | [Isoform 3]: Secreted [Isoform 1]: Cell membrane; Single-pass type I membrane protein |
| Tissue Location | Highly expressed in heart, placenta, pancreas, lung and liver and weakly expressed in spleen, lymph nodes and thymus |

Background

CD273, known as B7-DC, is also called programmed death ligand 2 (PDL2). This ligand is a 25 kD type I transmembrane protein and a member of B7 family within the immunoglobulin receptor superfamily and is expressed on a subset of dendritic cells, liver and a small subset of macrophages as well as a few transformed cell lines. CD273 has been reported to be stimulatory on dendritic cells when cross-linked and to inhibit T cell activation upon engaging the PD-1 receptor. CD273 has also been reported to bind to an alternative receptor and to mediate T cell activation through such non-PD1 mediated interactions.

Images



Western blot analysis of PDL2 in K562, C6 lysates using PD L2 antibody.

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