

## Product datasheet

# Anti-PD-L2 antibody [EPR25200-50] ab288298

Recombinant RabMAb

★★★★★ [4 Abreviews](#) [7 Images](#)

### Overview

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|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-PD-L2 antibody [EPR25200-50]  |
| <b>Description</b>         | Rabbit monoclonal [EPR25200-50] to PD-L2   |
| <b>Host species</b>        | Rabbit   |
| <b>Tested applications</b> | <b>Suitable for:</b> WB, IHC-P, IP<br><b>Unsuitable for:</b> Flow Cyt or ICC/IF  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human  |
| <b>Immunogen</b>           | Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.   |
| <b>Positive control</b>    | WB: HDLM-2 whole cell lysate. IHC-P: Human tonsil, endometrial cancer, HDLM-2 and breast cancer tissues. IP: HDLM-2 whole cell lysate.   |
| <b>General notes</b>       | <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> |

### Properties

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|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Liquid  |
| <b>Storage instructions</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. |
| <b>Storage buffer</b>       | pH: 7.40<br>Preservative: 0.01% Sodium azide<br>Constituents: 59.94% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA |
| <b>Purity</b>               | Protein A purified  |
| <b>Clonality</b>            | Monoclonal  |
| <b>Clone number</b>         | EPR25200-50   |

Isotype

IgG

## Applications

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### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab288298 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes  |
|-------------|-----------|--|
| WB          |           | 1/1000. Detects a band of approximately 45-60 kDa (predicted molecular weight: 31 kDa).                                |
| IHC-P       | ★★★★★ (1) | 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |
| IP          |           | 1/30.  |

### Application notes

Is unsuitable for Flow Cyt or ICC/IF.

## Target

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### 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.

### Tissue specificity

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

### Sequence similarities

Belongs to the immunoglobulin superfamily. BTN/MOG family.  
Contains 1 Ig-like C2-type (immunoglobulin-like) domain.  
Contains 1 Ig-like V-type (immunoglobulin-like) domain.

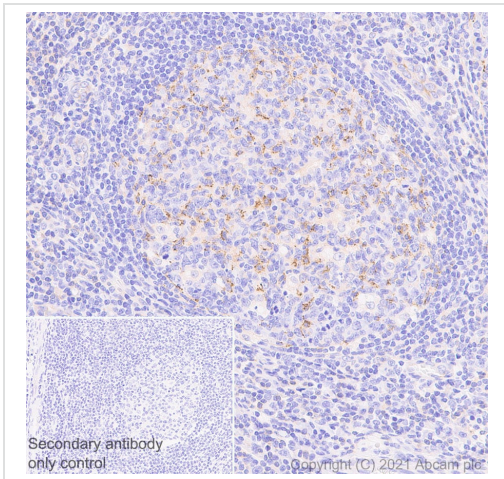
### Cellular localization

Secreted; Cell membrane and Endomembrane system.

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## Images

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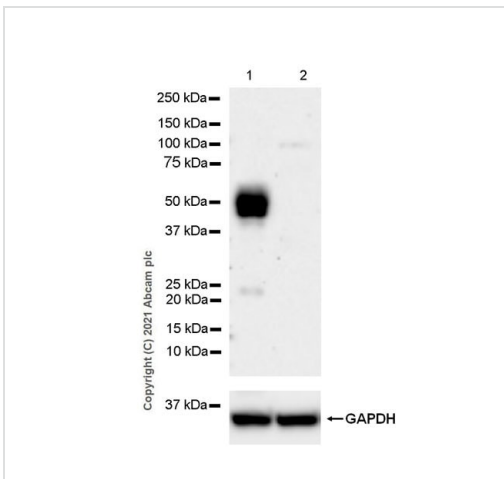


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L2 antibody [EPR25200-50] (ab288298)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labelling PD-L2 with ab288298 at 1/1000 (0.546 ug/ml) followed by a ready to use LeicaDS9800 (Bond™, Polymer Refine Detection) was used. Positive staining is found in the germinal centre of human tonsil. The section was incubated with ab288298 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™, Polymer Refine Detection).

Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins



Western blot - Anti-PD-L2 antibody [EPR25200-50] (ab288298)

**All lanes** : Anti-PD-L2 antibody [EPR25200-50] (ab288298) at 1/1000 dilution

**Lane 1** : HDLM-2 (human Hodgkin lymphoma) whole cell lysate

**Lane 2** : Jurkat (human T cell leukemia T lymphocyte) whole cell lysate

Lysates/proteins at 20 µg per lane.

#### Secondary

**All lanes** : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1/100000 dilution

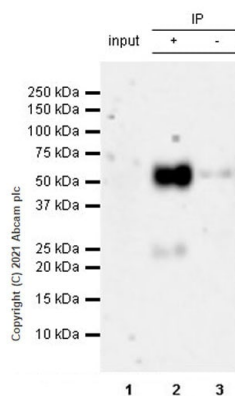
**Predicted band size:** 31 kDa

**Observed band size:** 45-60 kDa

Blocking and diluting buffer and concentration: 5% NFDN/TBST

Negative control: Jurkat (PMID: 27631416).

Exposure time: 125 seconds



Immunoprecipitation - Anti-PD-L2 antibody  
[EPR25200-50] (ab288298)

PD-L2 was immunoprecipitated from 0.35 mg HDLM-2 (human Hodgkin lymphoma) whole cell lysate with ab288298 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab288298 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP)([ab131366](#)) was used at 1/5000 dilution.

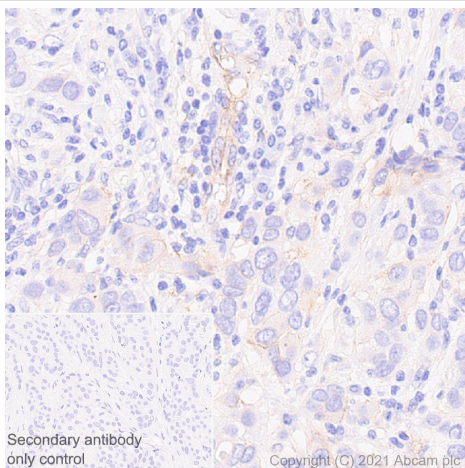
Lane 1: HDLM-2 (human Hodgkin lymphoma) whole cell lysate 10 ug

Lane 2: ab288298 IP in HDLM-2 whole cell lysate

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab288298 in HDLM-2 whole cell lysate

Blocking and dilution buffer and concentration: 5% NFD/MTBST.

Exposure time: 92 seconds

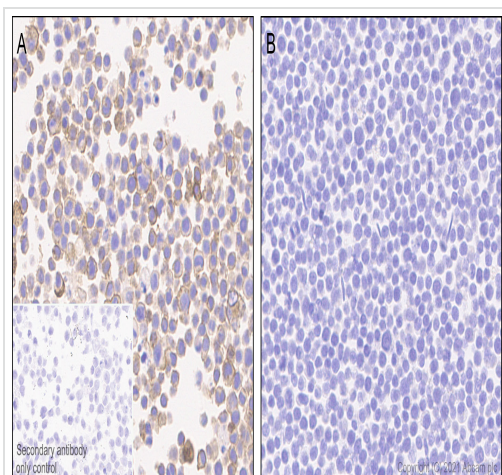


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L2 antibody  
[EPR25200-50] (ab288298)

Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue labelling PD-L2 with ab288298 at 1/1000 (0.546 ug/ml) followed by a ready to use LeicaDS9800 (Bond™, Polymer Refine Detection) was used. Positive staining on human breast cancer. The section was incubated with ab288298 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™, Polymer Refine Detection).

Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins

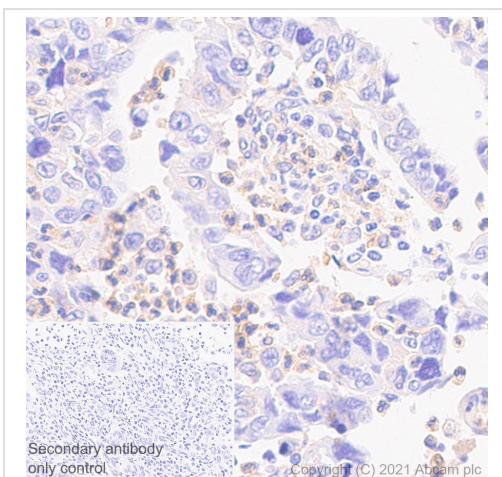


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L2 antibody [EPR25200-50] (ab288298)

Immunohistochemical analysis of paraffin-embedded Panel A HDLM-2 Panel B Jurkat labelling PD-L2 with ab288298 at 1/1000 (0.546 ug/ml) followed by a ready to use LeicaDS9800 (Bond™, Polymer Refine Detection) was used. Positive cell line HDLM-2 (Panel A) was positive and negative cell line Jurkat (Panel B) was negative. The section was incubated with ab288298 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™, Polymer Refine Detection).

Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins



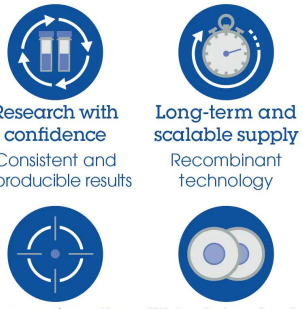
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L2 antibody [EPR25200-50] (ab288298)

Immunohistochemical analysis of paraffin-embedded Human endometrial cancer tissue labelling PD-L2 with ab288298 at 1/1000 (0.546 ug/ml) followed by a ready to use LeicaDS9800 (Bond™, Polymer Refine Detection) was used. Positive staining on human endometrial cancer (PMID:27446374). The section was incubated with ab288298 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™, Polymer Refine Detection) was used.

Heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins

Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results

**Long-term and scalable supply**  
Recombinant technology

**Success from the first experiment**  
Confirmed specificity

**Ethical standards compliant**  
Animal-free production

Anti-PD-L2 antibody [EPR25200-50] (ab288298)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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