# abcam

## Product datasheet

# Anti-PD-L1 antibody [SP142] - C-terminal, prediluted ab228463

重组　RabMAb

### 21 References　　11 图像

### 概述

| | |
|---|---|
| 产品名称 | Anti-PD-L1抗体[SP142] - C-terminal, prediluted |
| 描述 | 兔单克隆抗体[SP142] to PD-L1 - C-terminal, prediluted |
| 宿主 | Rabbit |
| 经测试应用 | 适用于: IHC-P |
| 种属反应性 | 与反应: Human |
| 免疫原 | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| 阳性对照 | IHC-P: Human placenta, tonsil, lung squamous cell carcinoma, cervical squamous cell carcinoma, skin squamous cell carcinoma, Hodgkin's lymphoma, pancreatic adenocarcinoma and prostate adenocarcinoma tissues. |
| 常规说明 | **This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.** |

### 性能

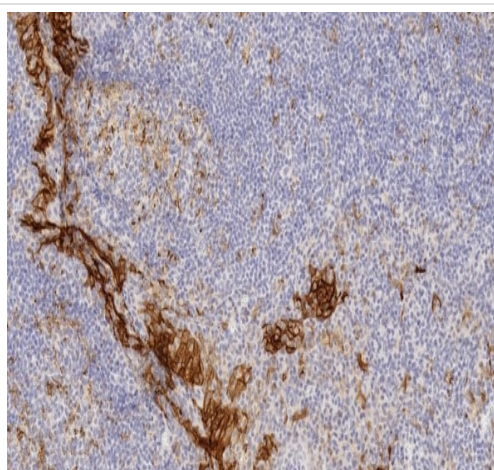| | |
|---|---|
| 形式 | Liquid |
| 存放说明 | Shipped at 4°C. Store at +4°C. Do Not Freeze. |
| 存储溶液 | pH: 7.60<br>Preservative: 0.1% Sodium azide<br>Constituents: Tris buffered saline, 1% BSA |
| 纯度 | Protein A/G purified |
| 纯化说明 | Purified from TCS by protein A/G. |
| 克隆 | 单克隆 |
| 克隆编号 | SP142 |
| 同种型 | IgG |

### 应用

| | |
|---|---|
| **The Abpromise guarantee** | **Abpromise™**承诺保证使用ab228463于以下的经测试应用 |

"应用说明"部分 下显示的仅为**推荐的起始稀释度**；实际**最佳的稀释度/浓度**应**由使用者**检定。

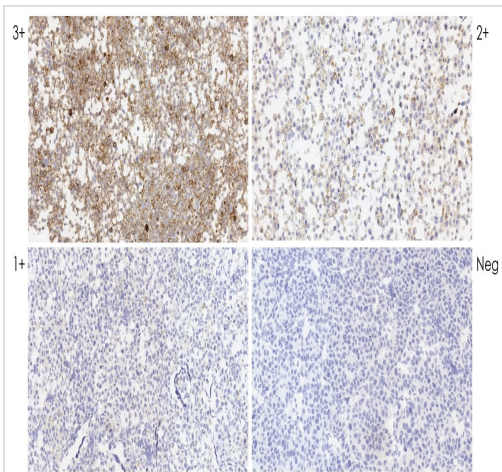| 应用 | Ab评论 | 说明 |
|---|---|---|
| **IHC-P** | | 1/1. <br> Ready to use. <br><br> Boil tissue section in EDTA buffer, pH 8.0 for 10 minutes followed by cooling at room temperature for 20 minutes. <br><br> Primary antibody incubation for 10 minutes at room temperature. |

## 靶标

| | |
|---|---|
| **功能** | Involved in the costimulatory signal, essential for T-cell proliferation and production of IL10 and IFNG, in an IL2-dependent and a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation and cytokine production. |
| **组织特异性** | Highly expressed in the heart, skeletal muscle, placenta and lung. Weakly expressed in the thymus, spleen, kidney and liver. Expressed on activated T- and B-cells, dendritic cells, keratinocytes and monocytes. |
| **序列相似性** | Belongs to the immunoglobulin superfamily. BTN/MOG family. <br> Contains 1 Ig-like C2-type (immunoglobulin-like) domain. <br> Contains 1 Ig-like V-type (immunoglobulin-like) domain. |
| **细胞定位** | Cell membrane and Endomembrane system. |

## 图片

IHC image of **ab228462** staining PD-L1 in human tonsil formalin fixed paraffin embedded tissue sections*, performed on a Leica BOND RX (standard Protocol F, Polymer Refine kit). The section was pre-treated using heat mediated antigen retrieval with EDTA buffer (pH9, epitope retrieval solution 2) for 30 mins at 98°C. The section was then incubated with **ab228462**, 1/400 working dilution, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system for 8 minutes at room temperature. DAB was used as the chromogen for 10 minutes at room temperature. The section was then counterstained with hematoxylin, blued, dehydrated, cleared and mounted with DPX.
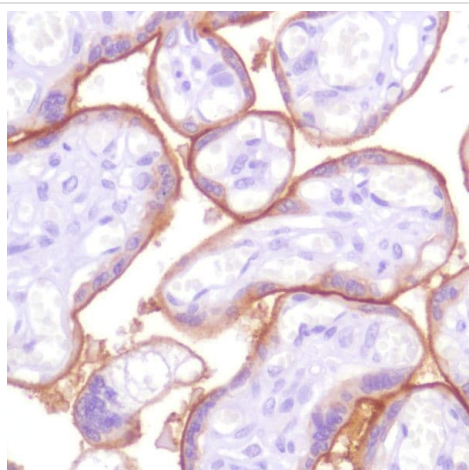
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L1 antibody [SP142] - C-terminal, prediluted (ab228463)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L1 antibody [SP142] - C-terminal, prediluted (ab228463)
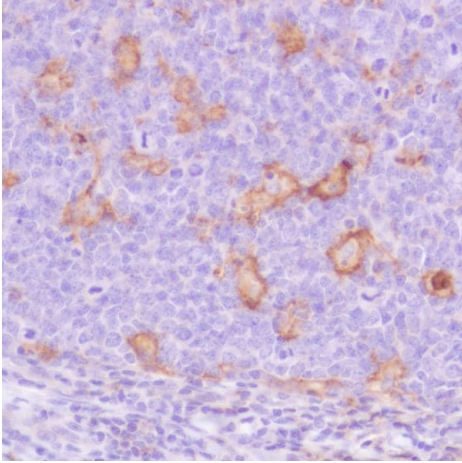
IHC image of **ab228462** staining PD-L1 in PD-L1 Dynamic Range Analyte Control formalin fixed paraffin embedded cell lines (**HistoCyte Laboratories**), performed on a Leica BOND RX (standard Protocol F, Polymer Refine kit). The section was pre-treated using heat mediated antigen retrieval with EDTA buffer (pH9, epitope retrieval solution 2) for 30 mins at 98°C. The section was then incubated with **ab228462**, 1/400 working dilution, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system for 8 minutes at room temperature. DAB was used as the chromogen for 10 minutes at room temperature. The section was then counterstained with hematoxylin, blued, dehydrated, cleared and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

Formalin-fixed, paraffin-embedded human placenta tissue stained for PD-L1 using ab228463 in immunohistochemical analysis.
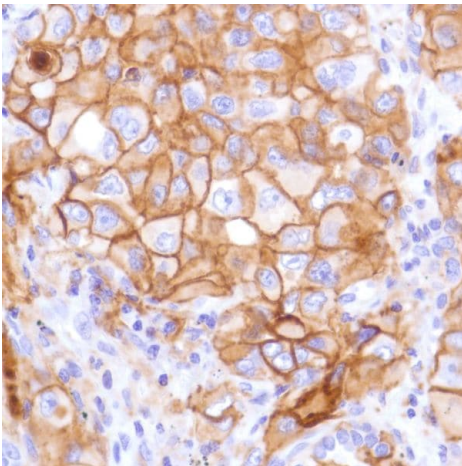


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L1 antibody [SP142] - C-terminal, prediluted (ab228463)
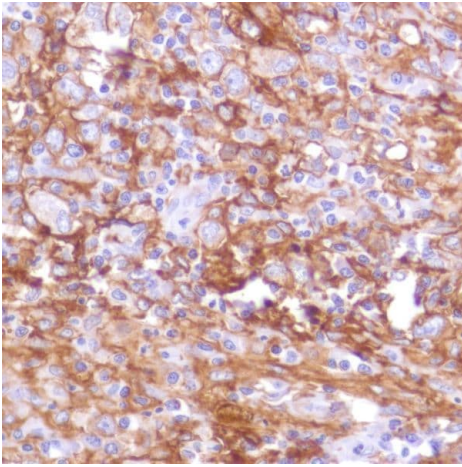
Formalin-fixed, paraffin-embedded human tonsil tissue stained for PD-L1 using ab228463 in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L1 antibody [SP142] - C-terminal, prediluted (ab228463)
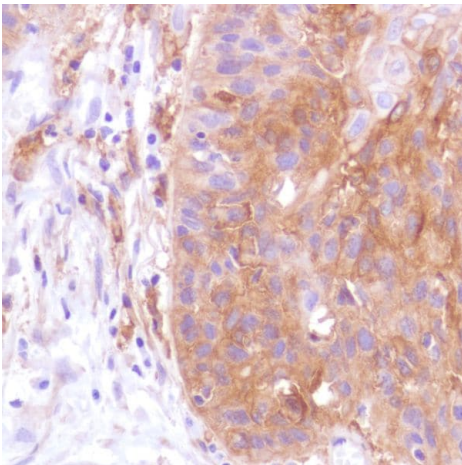


Formalin-fixed, paraffin-embedded human lung squamous cell carcinoma tissue stained for PD-L1 using ab228463 in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L1 antibody [SP142] - C-terminal, prediluted (ab228463)
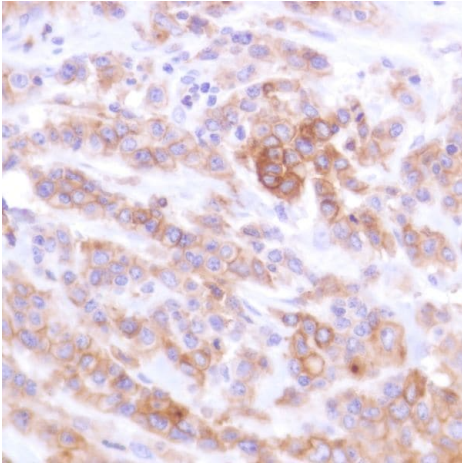
Formalin-fixed, paraffin-embedded human Hodgkin's lymphoma tissue stained for PD-L1 using ab228463 in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L1 antibody [SP142] - C-terminal, prediluted (ab228463)
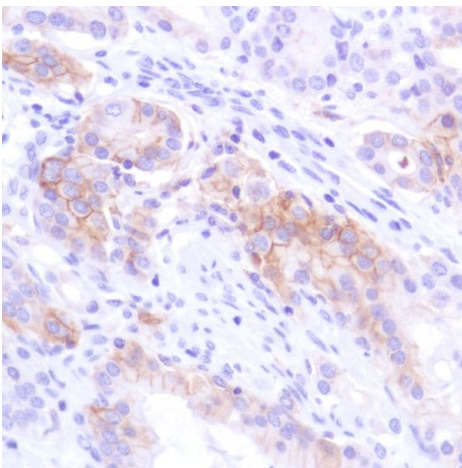


Formalin-fixed, paraffin-embedded human cervical squamous cell carcinoma tissue stained for PD-L1 using ab228463 in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L1 antibody [SP142] - C-terminal, prediluted (ab228463)

Formalin-fixed, paraffin-embedded human pancreatic adenocarcinoma tissue stained for PD-L1 using ab228463 in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L1 antibody [SP142] - C-terminal, prediluted (ab228463)
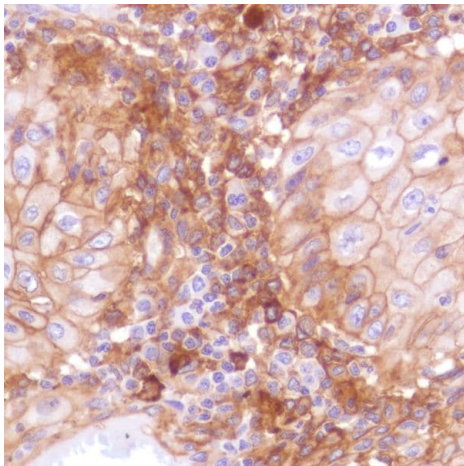


Formalin-fixed, paraffin-embedded human prostate adenocarcinoma tissue stained for PD-L1 using ab228463 in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L1 antibody [SP142] - C-terminal, prediluted (ab228463)

Formalin-fixed, paraffin-embedded human skin squamous cell carcinoma tissue stained for PD-L1 using ab228463 in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L1 antibody [SP142] - C-terminal, prediluted (ab228463)



**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-L1 antibody [SP142] - C-terminal, prediluted (ab228463)

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

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