abcam

Product datasheet

Anti-PD-L1 antibody ab58810

7 Abreviews 97 References 2 Images

Overview

Product name	Anti-PD-L1 antibody
Description	Rabbit polyclonal to PD-L1
Host species	Rabbit
Specificity	ab58810 is specific to the larger isoform of CD274 (PD-L1). It does not react with B7DC (PDL2).
Tested applications	**Suitable for:** IHC-P, WB
Species reactivity	**Reacts with:** Mouse, Human **Predicted to work with:** Rat
Immunogen	Synthetic peptide corresponding to Human PD-L1. 17 amino acid peptide from near the centre of human CD274
Positive control	Raji cell lysate
General notes	**For a rabbit monoclonal recombinant antibody to PD-L1 in WB, IHC and Flow Cyt usage and KO validated -** see ab205921 (clone 28-8).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: PBS
Purity	IgG fraction
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our Abpromise guarantee covers the use of ab58810 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
IHC-P	★★★★☆ (5)	Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.5 - 1 µg/ml. Detects a band of approximately 30 kDa (predicted molecular weight: 33 kDa).

Target

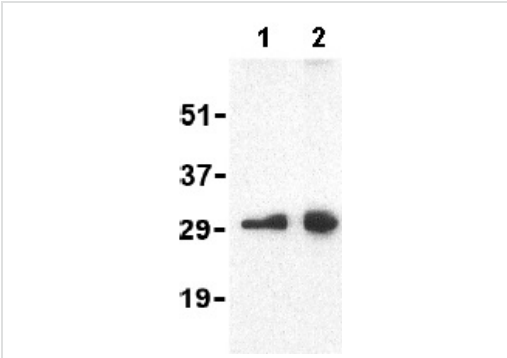
Function
Involved in the costimulatory signal, essential for T-cell proliferation and production of IL10 and IFNG, in an IL2-dependent and a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation and cytokine production.

Tissue specificity
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.

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
Cell membrane and Endomembrane system.

Images



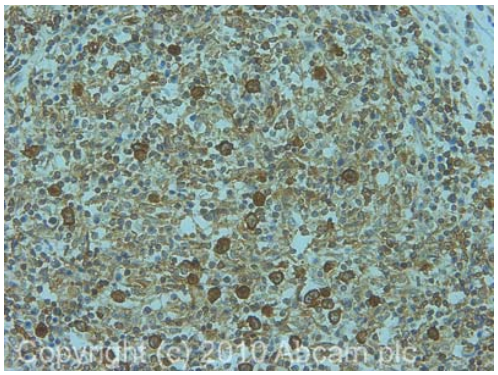
Western blot - Anti-PD-L1 antibody (ab58810)

Lane 1 : Anti-PD-L1 antibody (ab58810) at 0.5 µg/ml
Lane 2 : Anti-PD-L1 antibody (ab58810) at 1 µg/ml

All lanes : Raji cell lysate

Lysates/proteins at 15 µg per lane.

Predicted band size: 33 kDa
Observed band size: 30 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L1 antibody (ab58810)

IHC image of ab58810 staining in human tonsil formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab58810, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin 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.

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