Datasheet for ABIN2855940

anti-PD-L1 antibody (C-Term)

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Overview

Quantity:	100 µL
Target:	PD-L1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PD-L1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human PD-L1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to PD-L1 (CD274 Molecule) PD-L1 antibody
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

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Target Details

Target:	PD-L1
Alternative Name:	CD274 molecule (PD-L1 Products)
Background:	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. Cellular Localization: Isoform 1: Cell membrane, Single-pass type I membrane protein , Isoform 2: Endomembrane system, Single-pass type I membrane protein
Molecular Weight:	33 kDa
Gene ID:	29126
UniProt:	Q9NZQ7
Pathways:	Cancer Immune Checkpoints

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: MDA-MB-231 (24µg/ml Tunicamycin treatment for 16 hr) , MDA-MB-231 , A431(100 ng/mL IFN-gamma treatment for 48 hr) Validation: Comparison, KO/KD, Orthogonal, Overexpression
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.29 mg/mL
Buffer:	1XPBS, 1 % BSA, 20 % Glycerol (pH 7), 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

Handling

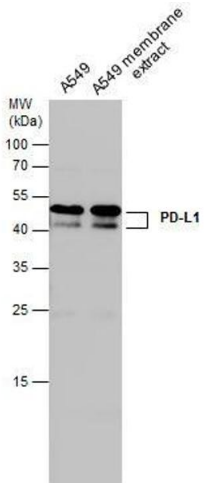
(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

Product cited in: Wei, Ngo, Wu, Lee: "Phosphorylation of the Ndc80 complex protein, HEC1, by Nek2 kinase modulates chromosome alignment and signaling of the spindle assembly checkpoint." in: **Molecular biology of the cell**, Vol. 22, Issue 19, pp. 3584-94, (2012) (PubMed).

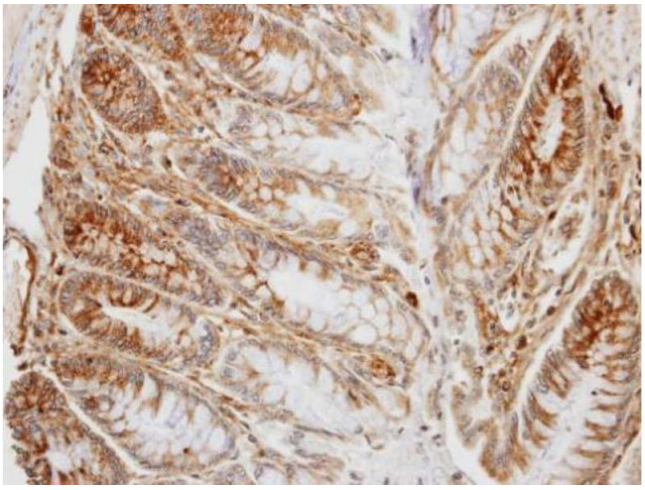
There are more publications referencing this product on: Product page

Images



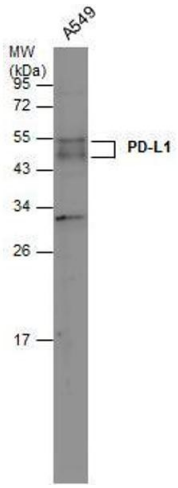
Western Blotting

Image 1. WB Image A549 whole cell and membrane extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with PD-L1 antibody , diluted at 1:500.



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded human colon, using PD-L1, antibody at 1:100 dilution.



Western Blotting

Image 3. WB Image Whole cell extract (30 µg) was separated by 12% SDS-PAGE, and the membrane was blotted with PD-L1 antibody , diluted at 1:500.