PD-L1 Polyclonal Antibody

Catalog No: #29074

Package Size: #29074-1 50ul #29074-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

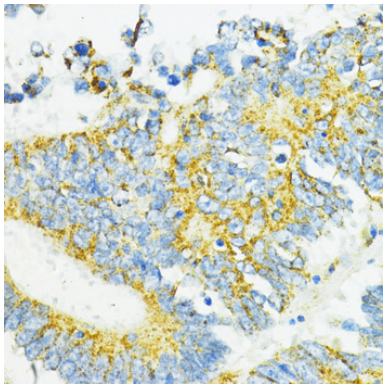
Description

Product Name	PD-L1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Recombinant fusion protein of human PD-L1 (NP_054862.1).
Conjugates	Unconjugated
Other Names	B7-H;B7H1;PDL1;PD-L1;PDCD1L1;PDCD1LG1;CD274
Accession No.	GeneID:29126Swiss Prot:Q9NZQ7
Calculated MW	20kDa/33kDa
SDS-PAGE MW	45kDa
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 171% glycerol.
Storage	Store at -20°C. Avoid freeze / thaw cycles.|Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.124.

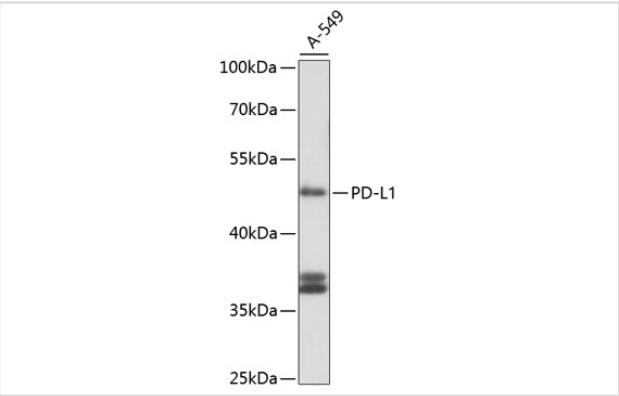
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:20 - 1:100

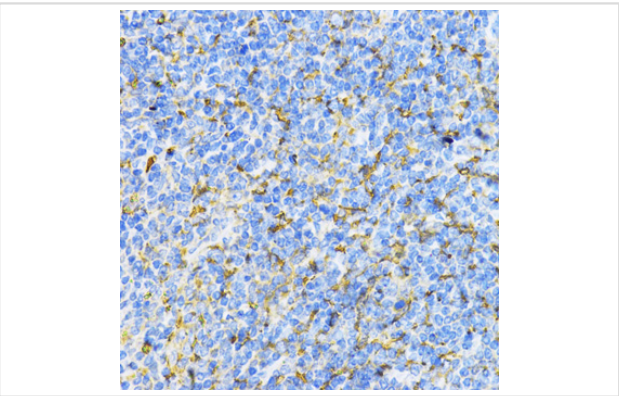
Images



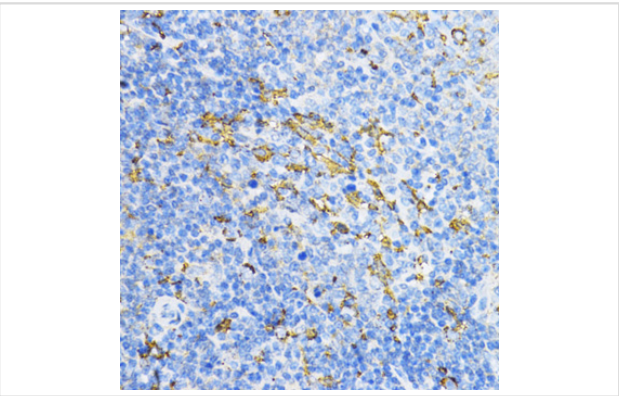
Immunohistochemistry of paraffin-embedded human colon carcinoma using PD-L1 antibody at dilution of 1:100 .



Western blot analysis of extracts of A-549 cells, using PD-L1 antibody at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded mouse spleen using PD-L1 antibody at dilution of 1:100 .



Immunohistochemistry of paraffin-embedded rat spleen using PD-L1 antibody at dilution of 1:100 .

Background

This gene encodes an immune inhibitory receptor ligand that is expressed by hematopoietic and non-hematopoietic cells, such as T cells and B cells and various types of tumor cells. The encoded protein is a type I transmembrane protein that has immunoglobulin V-like and C-like domains. Interaction of this ligand with its receptor inhibits T-cell activation and cytokine production. During infection or inflammation of normal tissue, this interaction is important for preventing autoimmunity by maintaining homeostasis of the immune response. In tumor microenvironments, this interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Expression of this gene in tumor cells is considered to be prognostic in many types of human malignancies, including colon cancer and renal cell carcinoma. Alternative splicing results in multiple transcript variants.

Published Papers

el at., Apatinib remodels the immunosuppressive tumor ecosystem of gastric cancer enhancing anti-PD-1 immunotherapyIn Cell Rep.On2023 May 30byQicong Luo , Zinan Dong et al..PMID:37097818, , (2023)

PMID:37097818

Jingyao Li;Huixi Yi;Yuanyuan Fu;Jiani Zhuang;Zhixiong Zhan;Liyou Guo;Ji Zheng;Xiyong Yu;Dong-Yang Zhang el at., Biodegradable iridium coordinated nanodrugs potentiate photodynamic therapy and immunotherapy of lung cancer., , (2025)

PMID:39488900

Note: This product is for in vitro research use only and is not intended for use in humans or animals.