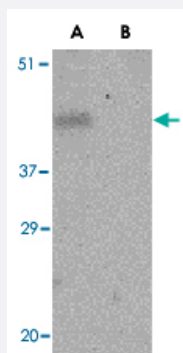


PDCD1 polyclonal antibody

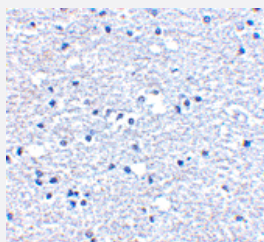
Catalog # PAB13253 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of PDCD1 in THP-1 cell lysate with PDCD1 polyclonal antibody (Cat # PAB13253) at 1 ug/mL in the (A) absence and (B) presence of blocking peptide.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of PDCD1 in human brain tissue with PDCD1 polyclonal antibody (Cat # PAB13253) at 5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PDCD1.
Immunogen	A synthetic peptide corresponding to internal region 16 amino acids of human PDCD1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of PDCCD1 in THP-1 cell lysate with PDCCD1 polyclonal antibody (Cat # PAB13253) at 1 ug/mL in the (A) absence and (B) presence of blocking peptide.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of PDCCD1 in human brain tissue with PDCCD1 polyclonal antibody (Cat # PAB13253) at 5 ug/mL .

Gene Info — PDCCD1

Entrez GeneID	5133
Protein Accession#	Q15116
Gene Name	PDCCD1
Gene Alias	CD279, PD1, SLEB2, hPD-1, hPD-I
Gene Description	programmed cell death 1
Omim ID	152700 600244
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a cell surface membrane protein of the immunoglobulin superfamily. This protein is expressed in pro-B-cells and is thought to play a role in their differentiation. In mice, expression of this gene is induced in the thymus when anti-CD3 antibodies are injected and large numbers of thymocytes undergo apoptosis. Mice deficient for this gene bred on a BALB/c background developed dilated cardiomyopathy and died from congestive heart failure. These studies suggest that this gene product may also be important in T cell function and contribute to the prevention of autoimmune diseases. [provided by RefSeq]
Other Designations	-

Publication Reference

- [Microglial PD-1 stimulation by astrocytic PD-L1 suppresses neuroinflammation and Alzheimer's disease pathology.](#)

Markus P Kummer, Christina Ising, Christiane Kummer, Heela Sarlus, Angelika Griep, Ana Vieira-Saecker, Stephanie Schwartz, Annett Halle, Matthias Brückner, Kristian Händler, Joachim L Schultze, Marc Beyer, Eicke Latz, Michael T Heneka.

The EMBO Journal 2021 Dec; 40(24):108662.

Application: IF, Human, Mouse, Human brain, Mouse microglial

- [Function and regulation of MHC class II molecules in T-lymphocytes: of mice and men.](#)

Holling TM, Schooten E, van Den Elsen PJ.

Human Immunology 2004 Apr; 65(4):282.

- [Development of lupus-like autoimmune diseases by disruption of the PD-1 gene encoding an ITIM motif-carrying immunoreceptor.](#)

Nishimura H, Nose M, Hiai H, Minato N, Honjo T.

Immunity 1999 Aug; 11(2):141.

Application: Flow Cyt, Mouse, Mouse splenocytes

- [Induced expression of PD-1, a novel member of the immunoglobulin gene superfamily, upon programmed cell death.](#)

Ishida Y, Agata Y, Shibahara K, Honjo T.

The EMBO Journal 1992 Nov; 11(11):3887.

Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [T cell receptor signaling pathway](#)

Disease

- [Addison Disease](#)
- [Alveolitis](#)
- [Arthritis](#)

- [Autoimmune Diseases](#)
- [Carcinoma](#)
- [Choriocarcinoma](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Graves Disease](#)
- [Hydatidiform Mole](#)
- [Inflammation](#)
- [Kidney Diseases](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Neovascularization](#)
- [Polyendocrinopathies](#)
- [Spondylitis](#)
- [Uterine Cervical Neoplasms](#)
- [Uveomeningoencephalitic Syndrome](#)

- [Vasculitis](#)
- [Wegener Granulomatosis](#)