

PD-1 rabbit pAb

Catalog No :	YT7834
Reactivity :	Human;Mouse
Applications :	WB;ELISA;IHC
Target :	PD1
Fields :	>>Cell adhesion molecules;>>T cell receptor signaling pathway;>>PD-L1 expression and PD-1 checkpoint pathway in cancer
Gene Name :	PDCD1 PD1
Protein Name :	Pdcd-1
Human Gene Id :	5133
Human Swiss Prot No :	Q15116
Mouse Gene Id :	18566
Mouse Swiss Prot No :	Q02242
Immunogen :	Synthesized peptide derived from human Pdcd-1 AA range: 80-130
Specificity :	This antibody detects endogenous levels of Human Pdcd-1
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

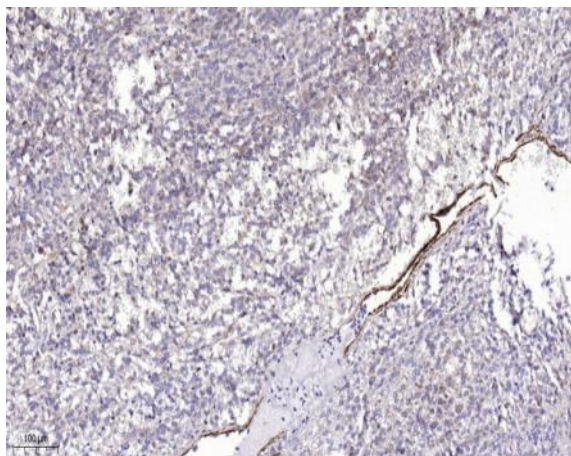
Molecularweight : 32kD

Background : 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, Jul 2008],

Function : developmental stage:Induced at programmed cell death.,disease:Genetic variation in PDCD1 is associated with susceptibility to systemic lupus erythematosus type 2 (SLEB2) [MIM:605218]. Systemic lupus erythematosus is a chronic, inflammatory and often febrile multisystemic disorder of connective tissue. It affects principally the skin, joints, kidneys and serosal membranes. It is thought to represent a failure of the regulatory mechanisms of the autoimmune system.,function:Possible cell death inducer, in association with other factors.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,subunit:Monomer.,

Subcellular Location : Cell membrane ; Single-pass type I membrane protein.

Products Images



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).