



# Rabbit Anti-Human PDCD1 Polyclonal Antibody (CABT-L2060)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Programmed Cell Death Protein 1 (Knockout Validated)
<b>Specificity</b>	The antibody is a rabbit polyclonal antibody raised against PDCD1. It has been selected for its ability to recognize PDCD1 in immunohistochemical staining and western blotting.
<b>Target</b>	PDCD1
<b>Immunogen</b>	Recombinant fragment corresponding to human PDCD1 (Leu41~Ala132)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Pig
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
<b>Preservative</b>	0.05% Proclin-300

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags

## BACKGROUND

<b>Introduction</b>	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]
<b>Keywords</b>	CD279;PD1;SLEB2;HPD1

## GENE INFORMATION

<b>Gene Name</b>	PDCD1 programmed cell death 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	PDCD1
<b>Synonyms</b>	PDCD1; programmed cell death 1; PD1; PD-1; CD279; SLEB2; hPD-1; hPD-I; hSLE1; programmed cell death protein 1; protein PD-1; systemic lupus erythematosus susceptibility 2;
<b>Entrez Gene ID</b>	<a href="#">5133</a>
<b>Protein Refseq</b>	NP_005009
<b>UniProt ID</b>	<a href="#">Q15116</a>
<b>Chromosome Location</b>	2q37.3
<b>Pathway</b>	Adaptive Immune System; Cell adhesion molecules (CAMs); Costimulation by the CD28 family; Immune System; PD-1 signaling; T cell receptor signaling pathway;
<b>Function</b>	protein binding; signal transducer activity;