

Anti-PDCD1 / PD1 / CD279 (Programmed Cell Death 1) Antibody
Recombinant Rabbit Monoclonal Antibody
Catalog # AH13422**Specification****Anti-PDCD1 / PD1 / CD279 (Programmed Cell Death 1) Antibody - Product Information**

Application	,14,3,4,
Primary Accession	Q15116
Other Accession	158297
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Isotype	Rabbit / IgG
Calculated MW	31647

Anti-PDCD1 / PD1 / CD279 (Programmed Cell Death 1) Antibody - Additional Information**Gene ID** 5133**Other Names**

CD279; hPD-1; hSLE1; PD1; PDCD1; Programmed Cell Death Protein 1; Protein PD-1; SLEB2; Systemic lupus erythematosus susceptibility 2

Format

200ug/ml of Ab purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage

Store at 2 to 8°C. Antibody is stable for 24 months.

Precautions

Anti-PDCD1 / PD1 / CD279 (Programmed Cell Death 1) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-PDCD1 / PD1 / CD279 (Programmed Cell Death 1) Antibody - Protein Information**Name** PDCD1 {ECO:0000303|PubMed:7851902, ECO:0000312|HGNC:HGNC:8760}**Function**

Inhibitory receptor on antigen activated T-cells that plays a critical role in induction and maintenance of immune tolerance to self (PubMed:21276005). Delivers inhibitory signals upon binding to ligands CD274/PDCD1L1 and CD273/PDCD1LG2 (PubMed:21276005). Following T-cell receptor (TCR) engagement, PDCD1 associates with CD3-TCR in the immunological synapse and directly inhibits T-cell activation (By similarity). Suppresses T-cell activation through the recruitment of PTPN11/SHP-2: following ligand-binding, PDCD1 is phosphorylated within the ITSM motif, leading to the recruitment of the protein tyrosine phosphatase PTPN11/SHP-2 that mediates

dephosphorylation of key TCR proximal signaling molecules, such as ZAP70, PRKCQ/PKCtheta and CD247/CD3zeta (By similarity).

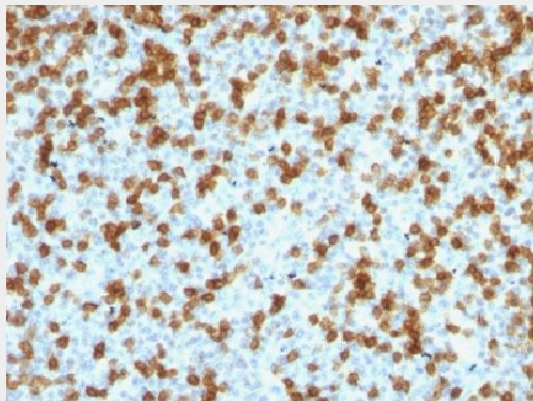
Cellular Location

Cell membrane; Single-pass type I membrane protein

Anti-PDCD1 / PD1 / CD279 (Programmed Cell Death 1) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-PDCD1 / PD1 / CD279 (Programmed Cell Death 1) Antibody - Images

Formalin-fixed, paraffin-embedded human Tonsil stained with PD1 (CD279) Recombinant Rabbit Monoclonal Antibody (PDCD1/1410R).

Anti-PDCD1 / PD1 / CD279 (Programmed Cell Death 1) Antibody - Background

PDCD-1 (programmed cell death-1 protein), also designated CD279, is a type I transmembrane receptor and a member of the immunoglobulin gene superfamily. It is expressed on activated T-cells, B-cells, and myeloid cells. Anti-PDCD-1 is a marker of angioimmunoblastic lymphoma and suggests a unique cell of origin for this neoplasm. Unlike CD10 and BCL6, PDCD-1 is expressed by few B-cells, so anti-PDCD-1 may be a more specific and useful diagnostic marker in angioimmunoblastic lymphoma. In addition, PDCD-1 expression provides evidence that angioimmunoblastic lymphoma is a neoplasm derived from germinal center-associated T-cells.