

PD-1

Rabbit Monoclonal antibody(Mab)

Catalog # AD80153

Product Information

Application	IHC-P
Primary Accession	Q15116
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Clone Names	122B1G4
Calculated MW	31647

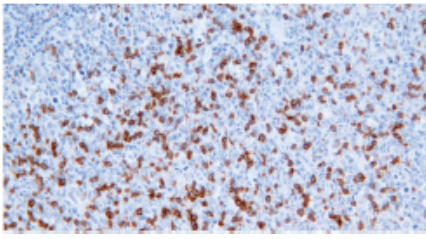
Additional Information

Gene ID	5133
Gene Name	PDCD1
Other Names	Programmed cell death protein 1, Protein PD-1, hPD-1, CD279, PDCD1 {ECO:0000303 PubMed:7851902, ECO:0000312 HGNC:HGNC:8760}
Dilution	IHC-P~~Ready-to-use
Storage	Maintain refrigerated at 2-8°C.
Precautions	PD-1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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 , PubMed: 37208329). 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

Images



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.