

PD1 Rabbit mAb

Catalog No: #48754



Package Size: #48754-1 50ul #48754-2 100ul

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Support: tech@signalwayantibody.com

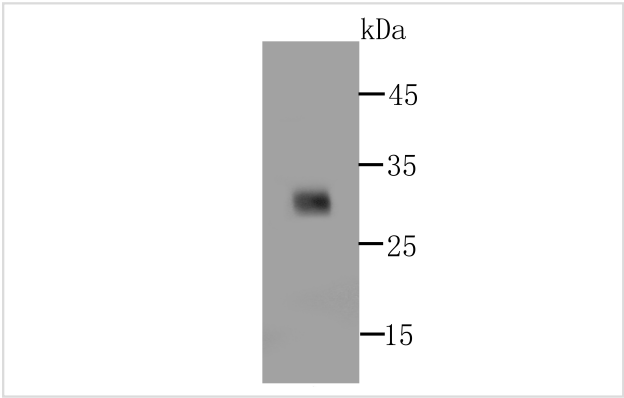
Description

Product Name	PD1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SJ01-91
Purification	ProA affinity purified
Applications	WB, IHC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	CD279 antibody CD279 antigen antibody hPD 1 antibody hPD I antibody hPD-1 antibody hSLE1 antibody PD 1 antibody PD-1 antibody PD1 antibody PDCD 1 antibody PDCD1 antibody PDCD1_HUMAN antibody Programmed cell death 1 antibody Programmed cell death 1 protein antibody Programmed cell death protein 1 antibody Protein PD 1 antibody Protein PD-1 antibody SLEB2 antibody Systemic lupus erythematosus susceptibility 2 antibody
Accession No.	Swiss-Prot#:Q15116
Calculated MW	32 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

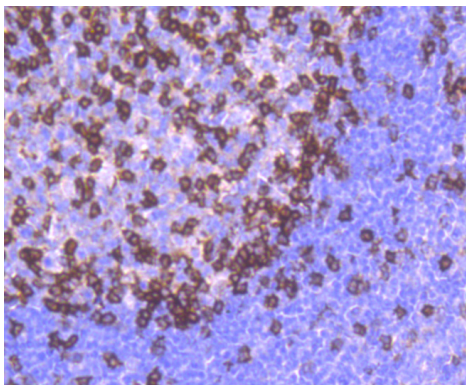
Application Details

WB: 1:500-1:1000IHC: 1:50-1:200

Images



Western blot analysis of over-expressed PD1(whole extracellular domain) on 293T cell lysate using anti-PD1 antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-PD1 antibody. Counter stained with hematoxylin.

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. Pdcd-1 contains an immunoreceptor tyrosine-based inhibitory motif (ITIM) within the cytoplasmic domain, which is conserved between the mouse and human homologs. Expression of Pdcd-1 is detected in mouse thymus, and it is induced in stimulated B and T cell lines, where it may play a role in the negative regulation of various immune responses. Receptors such as Pdcd-1 function by recruiting tyrosine phosphatases, including SHP-1 and SHIP, which are responsible for altering various B cell responses. Additionally, in activated lymphocytes, Pdcd-1 mediates the activation of the classical type of programmed cell death.

References

1. Sato Y et al. The PD-1/PD-L1 axis may be aberrantly activated in occupational cholangiocarcinoma. *Pathol Int* N/A:N/A (2017).
2. Zhou ZH et al. The prognostic value and pathobiological significance of Glasgow microenvironment score in gastric cancer. *J Cancer Res Clin Oncol* N/A:N/A (2017).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.