## For Research Use Only

## PD-1/CD279 Polyclonal antibody Catalog Number:18106-1-AP Featured Product 80 Publication

80 Publications

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Basic Information	Catalog Number: 18106-1-AP	GenBank Accession Number: BC074740	Purification Method: Antigen affinity purification	
	Concentration: 700 ug/ml	GenelD (NCBI): 5133	Recommended Dilutions: IHC 1:500-1:2000 IF-P 1:50-1:500	
	Source: Rabbit	UNIPROT ID: Q15116		
	lsotype: IgG	Full Name: programmed cell death 1		
	Immunogen Catalog Number: AG12470	Calculated MW: 288 aa, 32 kDa		
Applications	Tested Applications: IHC, IF-P, ELISA	Positive Controls:		
	Cited Applications: IHC, IF, IP, CoIP		IHC : human tonsillitis tissue, human lymphoma tissu IF-P : human tonsillitis tissue,	
	Species Specificity: human			
	Cited Species: human			
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			
	retrieval may be performe			
Background Information	retrieval may be performed buffer pH 6.0 Programmed cell death 1 (PD-1, a CD28/CTLA-4 subfamily of the Ig of one Ig superfamily domain, a immunoreceptor tyrosine-based (ITSM) (PMID: 18173375). PD-1 is hematopoietic cells in the periph PD-1 by its ligands PD-L1 or PD-L2 cytolytic function (PMID: 194262: Blockade of PD-1 can overcome in 22658127; 23169436). It has been	d with citrate also known as CD279) is an immunoin superfamily. It is a 288 amino acid (a stalk, a transmembrane domain, and a inhibitory motif (ITIM) as well as an in expressed during thymic developmen iery by antigen receptor signaling and 2 transduces a signal that inhibits T-ce 18). It is critical for the regulation of T mmune resistance and also has been s n reported that PD-1 is heavily glycosy	a) type I transmembrane protein composed n intracellular domain containing an nmunoreceptor tyrosine-based switch motif it and is induced in a variety of cytokines (PMID: 20636820). Engagement of Il proliferation, cytokine production, and cell function during immunity and tolerance. shown to have antitumor activity (PMID:	
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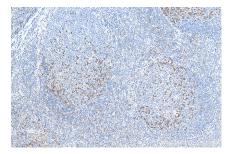
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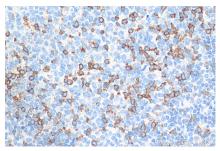
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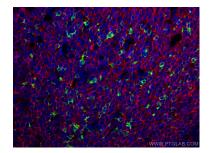
## Selected Validation Data



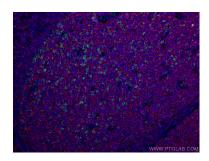
Immunohistochemical analysis of paraffinembedded human tonsillitis tissue slide using 18106-1-AP (PD-1/CD279 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



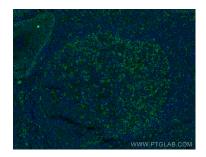
Immunohistochemical analysis of paraffinembedded human tonsillitis tissue slide using 18106-1-AP (PD-1/CD279 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using 18106-1-AP (PD-1/CD279 rabbit polyclonal antibody) at dilution of 1:100 and 60271-1-Ig (CD20 mouse monoclonal antibody) at dilution of 1:200, further stained with CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) for 18106-1-AP, and CoraLite594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) for 60271-1-Ig.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using 18106-1-AP (PD-1/CD279 rabbit polyclonal antibody) at dilution of 1:100 and 60271-1-1g (CD20 mouse monoclonal antibody) at dilution of 1:200, further stained with CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) for 18106-1-AP, and CoraLite594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) for 60271-1-1g.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using PD-1/CD279 antibody (18106-1-AP) at dilution of 1:200 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).