For Research Use Only

PD-1/CD279 Polyclonal antibody Catalog Number:18106-1-AP Featured Product 86 Publication

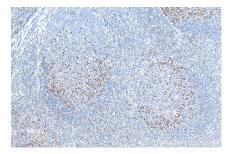
86 Publications

oroteintech Antibodies | ELISA kits | Proteins www.ptglab.com

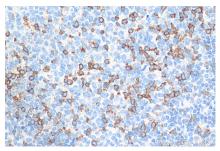
Basic Information	Catalog Number: 18106-1-AP	GenBank Accession Number: BC074740	Purification Method: Antigen affinity purification	
	Concentration:	GenelD (NCBI):	Recommended Dilutions: IHC: 1:500-1:2000 IF-P: 1:50-1:500	
	700 ug/ml	5133		
	Source: Rabbit	UNIPROT ID: Q15116		
	Isotype:	Full Name:		
	lgG	programmed cell death 1		
	Immunogen Catalog Number: AG12470	Calculated MW: 288 aa, 32 kDa		
Applications	Tested Applications:			
	IHC, IF-P, ELISA Cited Applications:	IHC : human tonsillitis tissue, human lymphoma tis		
	IHC, IF, IP, ColP	IF-P : hum	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			
	Programmed cell death 1 (PD-1) a	lso known as CD270) is an immunoint	nihitony recentor that belongs to the	
Background Information	CD28/CTLA-4 subfamily of the Ig of one Ig superfamily domain, a s immunoreceptor tyrosine-based i (ITSM) (PMID: 18173375). PD-1 is hematopoietic cells in the periph PD-1 by its ligands PD-L1 or PD-L2 cytolytic function (PMID: 1942621 Blockade of PD-1 can overcome in 22658127; 23169436). It has beer	stalk, a transmembrane domain, and an inhibitory motif (ITIM) as well as an in expressed during thymic developmen ery by antigen receptor signaling and 2 transduces a signal that inhibits T-cel L8). It is critical for the regulation of T mmune resistance and also has been s in reported that PD-1 is heavily glycosy	a) type I transmembrane protein composed n intracellular domain containing an nmunoreceptor tyrosine-based switch motif t and is induced in a variety of cytokines (PMID: 20636820). Engagement of Il proliferation, cytokine production, and cell function during immunity and tolerance. hown to have antitumor activity (PMID:	
	CD28/CTLA-4 subfamily of the Ig of one Ig superfamily domain, a s immunoreceptor tyrosine-based i (ITSM) (PMID: 18173375). PD-1 is hematopoietic cells in the periph PD-1 by its ligands PD-L1 or PD-L2 cytolytic function (PMID: 1942621 Blockade of PD-1 can overcome in 22658127; 23169436). It has beer molecular mass of 47-55 kDa on 9 17640856; 17003438).	superfamily. It is a 288 amino acid (ac stalk, a transmembrane domain, and ac inhibitory motif (ITIM) as well as an in expressed during thymic developmen ery by antigen receptor signaling and 2 transduces a signal that inhibits T-cel 18). It is critical for the regulation of T of mmune resistance and also has been s a reported that PD-1 is heavily glycosy	a) type I transmembrane protein composed n intracellular domain containing an imunoreceptor tyrosine-based switch motif t and is induced in a variety of cytokines (PMID: 20636820). Engagement of Il proliferation, cytokine production, and zell function during immunity and tolerance. hown to have antitumor activity (PMID: lated and migrates with an apparent	
	CD28/CTLA-4 subfamily of the Ig of one Ig superfamily domain, a s immunoreceptor tyrosine-based i (ITSM) (PMID: 18173375). PD-1 is hematopoietic cells in the periph PD-1 by its ligands PD-L1 or PD-L2 cytolytic function (PMID: 1942621 Blockade of PD-1 can overcome in 22658127; 23169436). It has beer molecular mass of 47-55 kDa on S 17640856; 17003438).	superfamily. It is a 288 amino acid (ac stalk, a transmembrane domain, and an inhibitory motif (ITIM) as well as an im expressed during thymic developmen ery by antigen receptor signaling and 2 transduces a signal that inhibits T-cel 18). It is critical for the regulation of T c mmune resistance and also has been s in reported that PD-1 is heavily glycosy SDS-PAGE, which is larger than its pre-	a) type I transmembrane protein composed n intracellular domain containing an nmunoreceptor tyrosine-based switch motif t and is induced in a variety of cytokines (PMID: 20636820). Engagement of Il proliferation, cytokine production, and cell function during immunity and tolerance. hown to have antitumor activity (PMID: lated and migrates with an apparent dicted mass of 32 kDa (PMID: 8671665;	
Background Information	CD28/CTLA-4 subfamily of the Ig of one Ig superfamily domain, a s immunoreceptor tyrosine-based ii (ITSM) (PMID: 18173375). PD-1 is hematopoietic cells in the periph PD-1 by its ligands PD-L1 or PD-L2 cytolytic function (PMID: 1942621 Blockade of PD-1 can overcome in 22658127; 23169436). It has beer molecular mass of 47-55 kDa on 9 17640856; 17003438).	superfamily. It is a 288 amino acid (ac stalk, a transmembrane domain, and ac inhibitory motif (ITIM) as well as an in expressed during thymic developmen ery by antigen receptor signaling and 2 transduces a signal that inhibits T-cel 8). It is critical for the regulation of T of mmune resistance and also has been s in reported that PD-1 is heavily glycosy SDS-PAGE, which is larger than its pre-	a) type I transmembrane protein composed in intracellular domain containing an imunoreceptor tyrosine-based switch motif t and is induced in a variety of cytokines (PMID: 20636820). Engagement of Il proliferation, cytokine production, and cell function during immunity and tolerance. hown to have antitumor activity (PMID: lated and migrates with an apparent dicted mass of 32 kDa (PMID: 8671665; Application	
	CD28/CTLA-4 subfamily of the Ig of one Ig superfamily domain, a s immunoreceptor tyrosine-based i (ITSM) (PMID: 18173375). PD-1 is hematopoietic cells in the periph PD-1 by its ligands PD-L1 or PD-L2 cytolytic function (PMID: 1942621 Blockade of PD-1 can overcome in 22658127; 23169436). It has beer molecular mass of 47-55 kDa on 9 17640856; 17003438). Author Xingyu Peng Damien J Zanker	superfamily. It is a 288 amino acid (ac stalk, a transmembrane domain, and an inhibitory motif (ITIM) as well as an im expressed during thymic developmen ery by antigen receptor signaling and 2 transduces a signal that inhibits T-cel L8). It is critical for the regulation of T c mmune resistance and also has been s in reported that PD-1 is heavily glycosy SDS-PAGE , which is larger than its pre- Pubmed ID Journal 36248822 Front Immunol	a) type I transmembrane protein composed in intracellular domain containing an imunoreceptor tyrosine-based switch motif t and is induced in a variety of cytokines (PMID: 20636820). Engagement o Il proliferation, cytokine production, and cell function during immunity and tolerance hown to have antitumor activity (PMID: lated and migrates with an apparent dicted mass of 32 kDa (PMID: 8671665; Application	
	CD28/CTLA-4 subfamily of the Ig of one Ig superfamily domain, a s immunoreceptor tyrosine-based i (ITSM) (PMID: 18173375). PD-1 is hematopoietic cells in the periph PD-1 by its ligands PD-L1 or PD-L2 cytolytic function (PMID: 1942621 Blockade of PD-1 can overcome in 22658127; 23169436). It has beer molecular mass of 47-55 kDa on 9 17640856; 17003438). Author Xingyu Peng Damien J Zanker	superfamily. It is a 288 amino acid (ac stalk, a transmembrane domain, and an inhibitory motif (ITIM) as well as an im expressed during thymic developmen ery by antigen receptor signaling and 2 transduces a signal that inhibits T-cel 18). It is critical for the regulation of T c mmune resistance and also has been s in reported that PD-1 is heavily glycosy SDS-PAGE , which is larger than its prev Pubmed ID Journal 36248822 Front Immunol 33005415 Clin Transl Immu 36136350 Brief Bioinform	a) type I transmembrane protein composed n intracellular domain containing an imunoreceptor tyrosine-based switch motif t and is induced in a variety of cytokines (PMID: 20636820). Engagement o Il proliferation, cytokine production, and cell function during immunity and tolerance hown to have antitumor activity (PMID: lated and migrates with an apparent dicted mass of 32 kDa (PMID: 8671665; Application nology IHC	

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

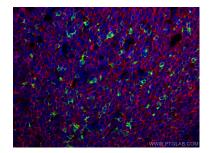
Selected Validation Data



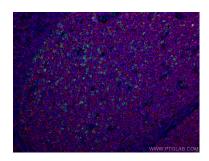
Immunohistochemical analysis of paraffinembedded human tonsillitis tissue slide using 18106-1-AP (PD-1/CD279 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



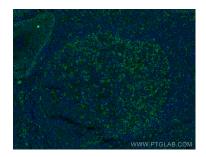
Immunohistochemical analysis of paraffinembedded human tonsillitis tissue slide using 18106-1-AP (PD-1/CD279 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).