

For Research Use Only

TIM3 Polyclonal antibody

Catalog Number: 11872-1-AP

7 Publications



Basic Information

Catalog Number: 11872-1-AP	GenBank Accession Number: BC020843	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 84868	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q8TDQ0	IHC 1:200-1:800
Isotype: IgG	Full Name: hepatitis A virus cellular receptor 2	IF-P 1:50-1:500
Immunogen Catalog Number: AG2459	Calculated MW: 301 aa, 33 kDa	
	Observed MW: 50-70 kDa, 33 kDa	

Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls:
Cited Applications: WB, IHC	WB : PC-3 cells, Daudi cells, Raji cells, RAW 264.7 cells
Species Specificity: human, mouse	IHC : human tonsillitis tissue,
Cited Species: human, mouse	IF-P : human tonsillitis tissue,

Note-IHC: suggested antigen retrieval with **TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Background Information

TIM3, also known as HAVCR2, is a member of the recently discovered T cell Ig and mucin domain-containing molecule superfamily. TIM3 is a negative regulatory molecule that is important for T cell tolerance and has a crucial role in autoimmunity and T cell exhaustion during chronic viral infection (PMID: 23180819). TIM3 is expressed by T-helper type 1 (Th1) cells, macrophage, monocyte, dendritic cells, CD8+ T cell and other lymphocyte subsets. Galectin-9 is a ligand for TIM3. TIM3-galectin-9 pathway negatively regulates T helper type 1 immunity (PMID: 16286920). TIM3 is a 280-aa membrane protein with a calculated molecular weight of 33 kDa, the higher molecular weights between 50 and 70 kDa probably represent glycosylated TIM3 (PMID: 20107545; 17069754; 11725301)

Notable Publications

Author	Pubmed ID	Journal	Application
Jiaxing Yang	24919464	Int J Oncol	
Qinyu Peng	36479526	Front Mol Neurosci	WB
Hao Zhang	35855654	CNS Neurosci Ther	IHC

Storage

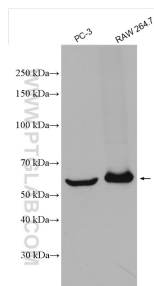
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

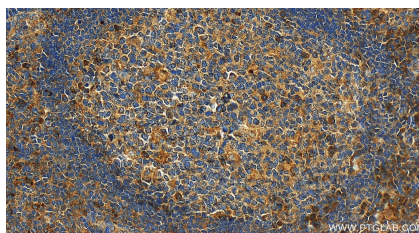
For technical support and original validation data for this product please contact:
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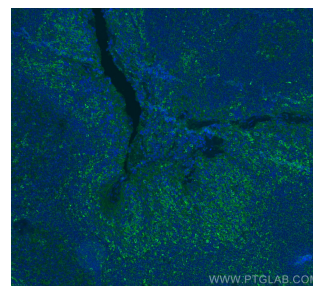
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11872-1-AP (TIM3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 11872-1-AP (TIM3 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using TIM3 antibody (11872-1-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).