

For Research Use Only

# TIM3 Polyclonal antibody

Catalog Number: 11872-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 11872-1-AP	<b>GenBank Accession Number:</b> BC020843	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 µg/ml by Nanodrop and 280 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 84868	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> hepatitis A virus cellular receptor 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 301 aa, 33 kDa	
<b>Immunogen Catalog Number:</b> AG2459	<b>Observed MW:</b> 33 kDa, 52 kDa	

## Applications

<b>Tested Applications:</b> FC, WB, ELISA	<b>Positive Controls:</b> WB : Raji cells, Daudi cells, PC-3 cells, RAW 264.7 cells
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, mouse	

## 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	
Teng Li	33718261	Front Cell Infect Microbiol	WB
Min Lin	32224541	Iran J Immunol	WB

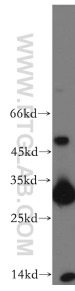
## Storage

**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

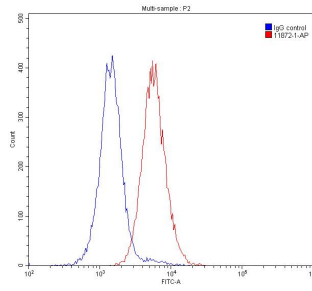
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## Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 11872-1-AP (TIM3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  Raji cells were stained with 0.20ug TIM3 antibody (11872-1-AP, red) and control antibody (blue). Fixed with 90% MeOH.