

TIM3 Polyclonal antibody

Catalog Number: 11872-1-AP

6 Publications

Basic Information

Catalog Number:

11872-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2459

GenBank Accession Number:

BC020843

GeneID (NCBI):

84868

UNIPROT ID:

Q8TDQ0

Full Name:

hepatitis A virus cellular receptor 2

Calculated MW:

301 aa, 33 kDa

Observed MW:

50-70 kDa, 33 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

FC, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : PC-3 cells, Daudi cells, Raji cells, RAW 264.7 cells

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

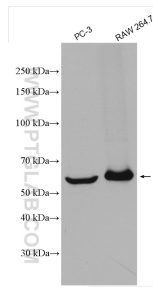
For technical support and original validation data for this product please contact:

T: 4006900926

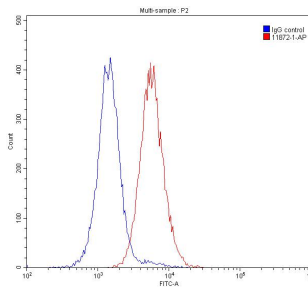
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Selected Validation Data



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.



1X10⁶ Raji cells were stained with 0.20ug TIM3 antibody (11872-1-AP, red) and control antibody (blue). Fixed with 90% MeOH.