

For Research Use Only

# TIM3 Recombinant antibody

Catalog Number: 82836-1-RR

Featured Product



## Basic Information

Catalog Number:

82836-1-RR

Size:

700 ug/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:

70 kDa

Purification Method:

Protein A purification

CloneNo.:

5A8

Recommended Dilutions:

WB 1:1000-1:7000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : PC-3 cells, THP-1 cells, Daudi 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).

## 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:

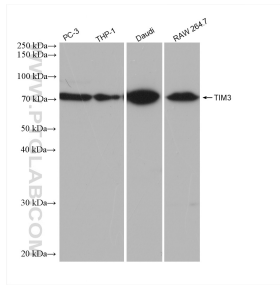
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

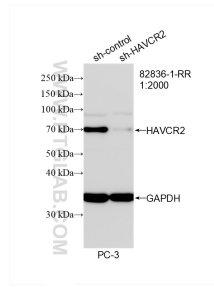
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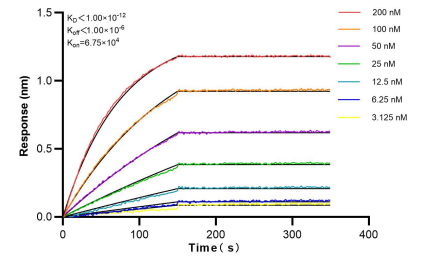
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82836-1-RR (TIM3 antibody) at dilution of 1:3500 incubated at room temperature for 1.5 hours.



WB result of TIM3 antibody (82836-1-RR; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TIM3 transfected PC-3 cells.



Bioluminescence resonance energy transfer (BRET) kinetic assays of 82836-1-RR against Human TIM3 were performed. The affinity constant is below 1 pM.