

For Research Use Only

# MAVS; VISA Monoclonal antibody

Catalog Number: 66911-1-Ig

Featured Product

15 Publications



## Basic Information

Catalog Number:

66911-1-Ig

Size:

150ul, Concentration: 3121 ug/ml by Nanodrop and 900 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG5949

GenBank Accession Number:

BC044952

GeneID (NCBI):

57506

UNIPROT ID:

Q7Z434

Full Name:

mitochondrial antiviral signaling protein

Calculated MW:

57 kDa

Observed MW:

50-55 kDa, 70-75 kDa

Purification Method:

Protein G purification

CloneNo.:

1A8E9

Recommended Dilutions:

WB: 1:5000-1:50000

IHC: 1:550-1:2200

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF, IP, ColP

Species Specificity:

human

Cited Species:

human, mouse, pig, monkey

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

Positive Controls:

WB: A431 cells, HeLa cells, HepG2 cells, Jurkat cells, L02 cells, HEK-293 cells, THP-1 cells

IHC: human liver cancer tissue,

## Background Information

Mitochondrial antiviral-signaling protein (MAVS) is also known as virus-induced-signaling adapter (VISA) or IFN beta promoter stimulator protein 1 (IPS-1), it is widely involved and required for innate immune defense against viruses. MAVS, present in T cells, monocytes, epithelial cells and hepatocytes, contains CARD and transmembrane domains which are essential for antiviral functions. MAVS is able to interact with various cellular proteins including DDIT3/RIG-I, IFIH1/MDA5, TRAF2, TRAF6, TMEM173/MLA, IFIT3 and etc. It can undergo phosphorylation on multiple sites and ubiquitination, which may together cause the molecular weight migrate to about 70 kDa despite the predicated 57 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhihai Zhou	33692778	Front Immunol	WB
Xiaohua Jie	35121645	J Immunother Cancer	WB
Yumei Han	33328314	J Virol	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

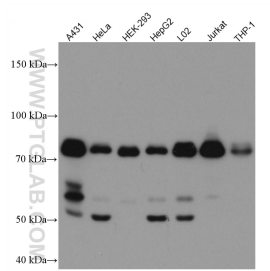
For technical support and original validation data for this product please contact:

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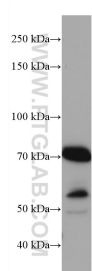
E: proteintech@ptglab.com  
W: ptglab.com

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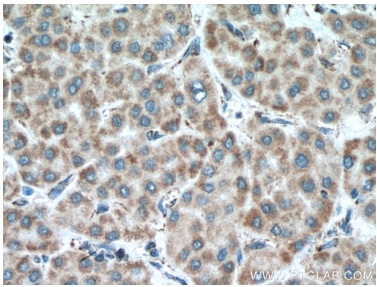
Selected Validation Data



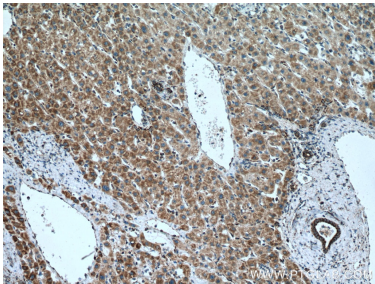
Various lysates were subjected to SDS PAGE followed by western blot with 66911-1-Ig (MAVS; VISA antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



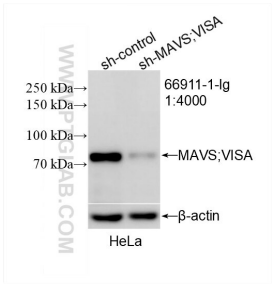
A431 cells were subjected to SDS PAGE followed by western blot with 66911-1-Ig (MAVS; VISA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66911-1-Ig (MAVS; VISA antibody) at dilution of 1:1100 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66911-1-Ig (MAVS; VISA antibody) at dilution of 1:1100 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of MAVS; VISA antibody (66911-1-Ig; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MAVS; VISA transfected HeLa cells.