

For Research Use Only

# MAVS; VISA Recombinant antibody

Catalog Number: 81910-1-RR



## Basic Information

<b>Catalog Number:</b> 81910-1-RR	<b>GenBank Accession Number:</b> BC044952	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 57506	<b>CloneNo.:</b> 7F14
<b>Source:</b> Rabbit	<b>Full Name:</b> mitochondrial antiviral signaling protein	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:1000-1:8000 for WB
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 57 kDa	<b>IHC 1:500-1:2000</b> <b>IF 1:500-1:2000</b>
<b>Immunogen Catalog Number:</b> AG5655	<b>Observed MW:</b> 75 kDa	

## Applications

### Tested Applications:

IF, IHC, IP, WB, ELISA

### Species Specificity:

Human

**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:** HeLa cells, HepG2 cells, A431 cells, A549 cells, MCF-7 cells

**IP:** HEK-293 cells,

**IHC:** human breast cancer tissue,

**IF:** HeLa cells,

## 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 DDX58/RIG-I, IFIH1/MDA5, TRAF2, TRAF6, TMEM173/MITA, 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.

## 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

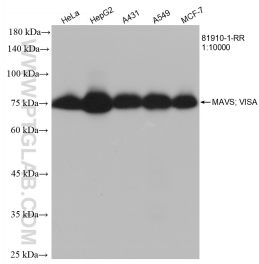
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

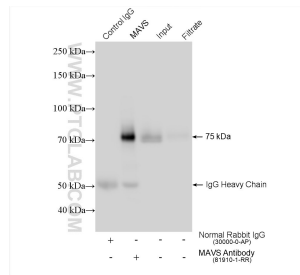
E: proteintech@ptglab.com  
W: ptglab.com

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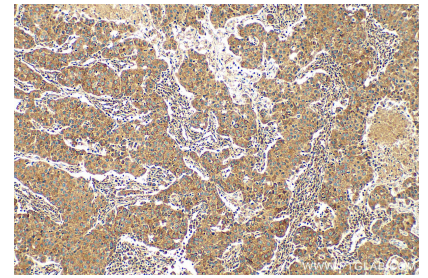
## Selected Validation Data



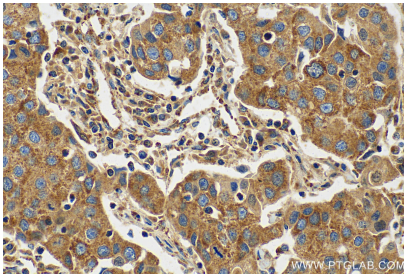
Various lysates were subjected to SDS PAGE followed by western blot with 81910-1-RR (MAVS; VISA) antibody at dilution of 1:10000 incubated at room temperature for 1.5 hours.



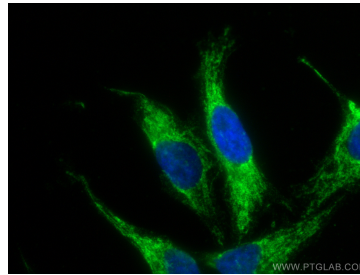
IP result of anti-MAVS; VISA (IP: 81910-1-RR, 4ug; Detection: 81910-1-RR 1:4000) with HEK-293 cells lysate 1480 ug.



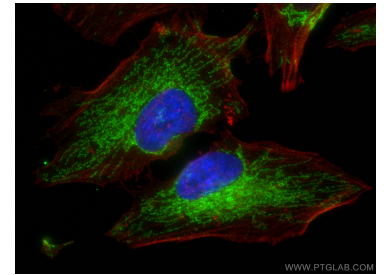
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 81910-1-RR (MAVS; VISA) antibody at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 81910-1-RR (MAVS; VISA) antibody at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using MAVS; VISA antibody (81910-1-RR, Clone: 7F14) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using MAVS; VISA antibody (81910-1-RR, Clone: 7F14) at dilution of 1:1000 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).