

For Research Use Only

MAVS; VISA Recombinant antibody, PBS Only

Catalog Number: 81910-1-PBS

Featured Product



Basic Information

Catalog Number:

81910-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5655

GenBank Accession Number:

BC044952

GeneID (NCBI):

57506

UNIPROT ID:

Q7Z434

Full Name:

mitochondrial antiviral signaling protein

Calculated MW:

57 kDa

Observed MW:

75 kDa

Purification Method:

Protein A purification

CloneNo.:

7F14

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human

Background Information

Mitochondrial antiviral-signaling protein (MAVS) is also known as virus-induced-signaling adapter (VISA) or IFN- β 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/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.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

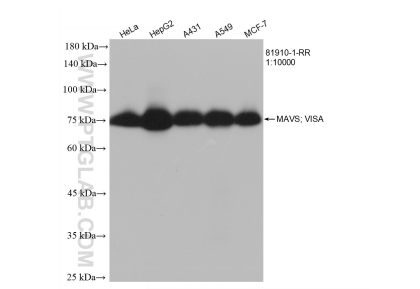
For technical support and original validation data for this product please contact:

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

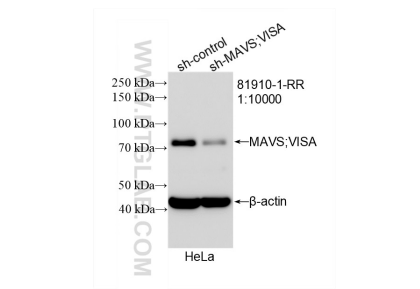
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

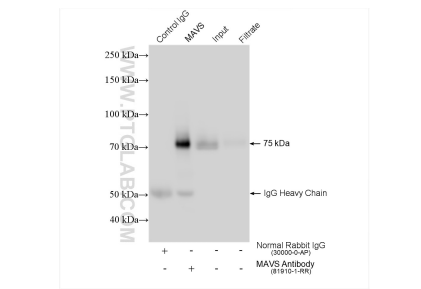
Selected Validation Data



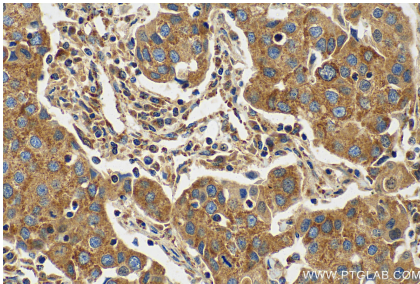
Various lysates were subjected to SDS PAGE followed by western blot with 81910-1-RR (MAVS; VISA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81910-1-PBS in a different storage buffer formulation.



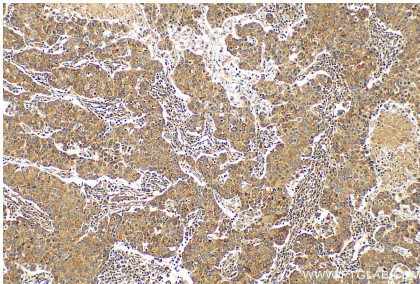
WB result of MAVS; VISA antibody (81910-1-RR; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MAVS; VISA transfected HeLa cells. This data was developed using the same antibody clone with 81910-1-PBS in a different storage buffer formulation.



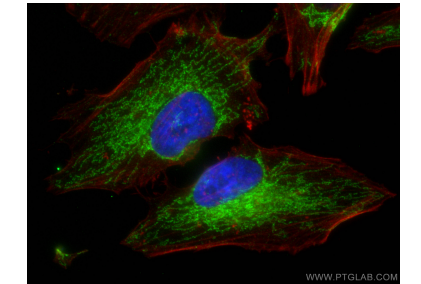
IP result of anti-MAVS; VISA (IP:81910-1-RR, 4ug; Detection:81910-1-RR 1:4000) with HEK-293 cells lysate 1480 ug. This data was developed using the same antibody clone with 81910-1-PBS in a different storage buffer formulation.



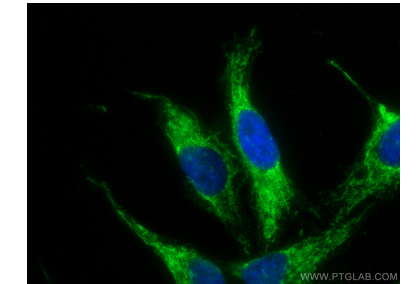
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 81910-1-RR (MAVS; VISA antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0). This data was developed using the same antibody clone with 81910-1-PBS in a different storage buffer formulation.



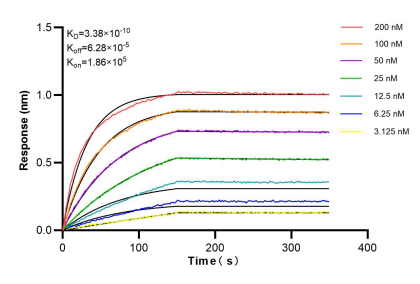
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 81910-1-RR (MAVS; VISA antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0). This data was developed using the same antibody clone with 81910-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 81910-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 81910-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 81910-1-RR against Human MAVS; VISA were performed. The affinity constant is 0.338 nM.