# Rabbit anti-Human MAVS Polyclonal Antibody | anti-MAVS antibody

Anti-MAVS Antibody, Rabbit Polyclonal

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA256022** | **Rabbit** | **Human** | **Immunofluorescence, Immunocytochemistry, Immunohistochemistry** |

## PRODUCT SYNONYMS

MAVS; Polyclonal Antibody; Anti-MAVS Antibody; Rabbit Polyclonal; MAVS Antibody; Rabbit PAb; Antigen Affinity Purified; mitochondrial antiviral signaling protein; Anti-CARDIF Antibody; Anti-IPS-1 Antibody; Anti-IPS1 Antibody; Anti-VISA Antibody; anti-MAVS antibody

## PRODUCT SPECIFICATIONS

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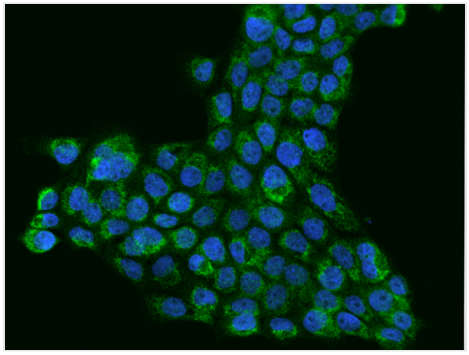
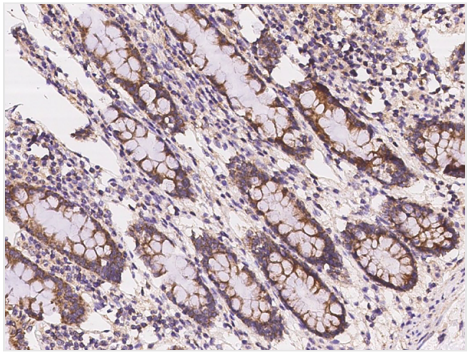
|---|---|
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Specificity** | Human MAVS |
| **Purity/Purification** | Protein A & Antigen Affinity |
| **Form/Format** | Liquid; PBS, pH7.0 with 0.03% Proclin300 |
| **Applicable Applications for anti-MAVS antibody** | IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry) |
| **Immunogen** | E Coli-derived Human MAVS fragment |
| **Conjugation** | Unconjugated |
| **Preparation** | Produced in rabbits immunized with E Coli-derived Human MAVS fragment, and purified by antigen affinity chromatography. |
| **Preparation and Storage** | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. |

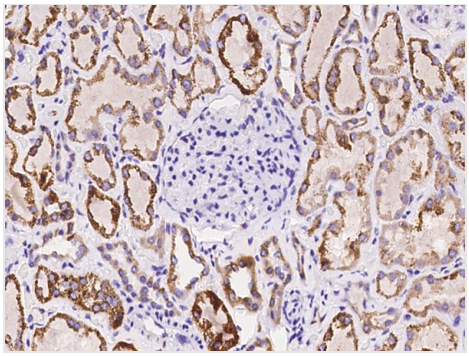
## IMAGES



**IF (Immunofluorescence)**
Immunofluorescence staining of MAVS in A431 cells. Cells were fixed with 4% PFA, permeabilzed with 0.1% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-Human MAVS polyclonal antibody (dilution ratio 1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).Positive staining was localized to Cytoplasm.



**IHC (Immunohiostchemistry)**
Immunochemical staining of human MAVS in human rectum with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



**IHC (Immunohistochemistry)**
Immunochemical staining of human MAVS in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

## ADDITIONAL INFORMATION

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|---|---|
| **Related Product Information for anti-MAVS antibody** | MAVS, as a signal molecule, performs an essential function in the development of antiviral immune response. The molecule of MAVS consists of two domains: the N-terminal domain and the C-terminal domain. The N-terminal end of MAVS contains the caspase activation and recruitment domain (CARD). CARD is responsible for MAVS interaction with RIG-I and MDA-5, which act as cytosolic sensors detecting foreign viral genetic material in the host cell. After binding to viral RNA, RIG-I or MDA-5 activates MAVS and transmits the signal of IFN type I gene expression. The C-terminal transmembrane domain (TM) of MAVS anchors the protein to the outer mitochondrial membrane. MAVS localizes in the membrane of mitochondria and peroxisomes and mitochondrial-associated endoplasmic reticulum membranes. Structural and functional studies have revealed that MAVS activity relies on the formation of functional high molecular weight prion-like aggregates. |
| **References** | Zamorano Cuervo N, et al. (2018) Virus infection triggers mavs polymers of distinct molecular weight. Viruses 10 (2): 56.Wyzewski Z, et al. (2016) [mavs protein and its interactions with hepatitis a, b and c viruses]. Postepy Hig Med Dosw (Online) 70 14-24.Dai T, et al. (2018) Faf1 regulates antiviral immunity by inhibiting mavs but is antagonized by phosphorylation upon viral infection. Cell Host Microbe 24 (6): 776-790.e775. |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/mavs-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/256022