

Rabbit anti-Mouse, Rat Mavs Polyclonal Antibody | anti-MAVS antibody

Anti-Mavs Antibody Picoband

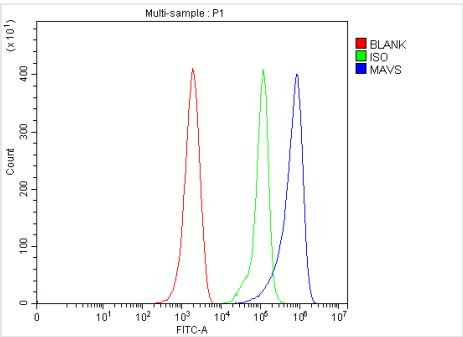
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125970	Rabbit	Mouse, Rat	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

Mavs; Polyclonal Antibody; Anti-Mavs Antibody Picoband; anti-MAVS antibody

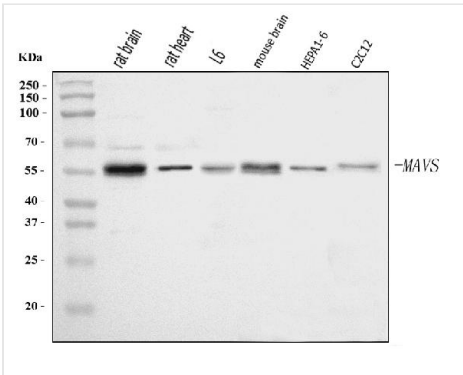
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-MAVS antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived mouse Mavs recombinant protein (Position: M1-Q77).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of ANA-1 cells using anti-Mavs antibody (AAA125970).Overlay histogram showing ANA-1 cells stained with AAA125970 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Mavs Antibody (AAA125970, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of Mavs using anti-Mavs antibody (AAA125970).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: rat brain tissue lysates,Lane 2: rat heart tissue lysates,Lane 3: rat L6 whole cell lysates,Lane 4: mouse brain tissue lysates,Lane 5: mouse HEPA1-6 whole cell lysates,Lane 6: mouse C2C12 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Mavs antigen affinity purified polyclonal antibody (#AAA125970) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Mavs at approximately 57 kDa. The expected band size for Mavs is at 57 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MAVS antibody	Mitochondrial antiviral-signaling protein (MAVS) is a protein that in humans is encoded by the MAVS gene. The protein is also known by the names VISA (virus-induced signaling adapter), IPS-1 and Cardif. This gene encodes an intermediary protein necessary in the virus-triggered beta interferon signaling pathways. It is required for activation of transcription factors which regulate expression of beta interferon and contributes to antiviral immunity.
Product Categories/Family for anti-MAVS antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	329755292
NCBI GeneID	228607
NCBI Accession #	NP_001193314.1
NCBI GenBank Nucleotide #	NM_001206385.1
UniProt Accession #	Q8VCF0
Molecular Weight	53,399 Da
NCBI Official Full Name	mitochondrial antiviral-signaling protein isoform 1
NCBI Official Synonym Full Names	mitochondrial antiviral signaling protein
NCBI Official Symbol	Mavs
NCBI Official Synonym Symbols	Visa; IPS-1; cardif; D430028G21Rik
NCBI Protein Information	mitochondrial antiviral-signaling protein; IFN-beta promoter stimulator-1; virus-induced signaling adapter; CARD adapter inducing interferon beta; mitochondrial anti-viral signaling protein; interferon beta promoter stimulator protein 1

UniProt Protein Name	Mitochondrial antiviral-signaling protein
UniProt Gene Name	Mavs
UniProt Synonym Gene Names	Ips1; Visa; MAVS; Cardif; IPS-1; VISA
UniProt Entry Name	MAVS_MOUSE

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-western-blot-flow-cytometry-elisa/125970>