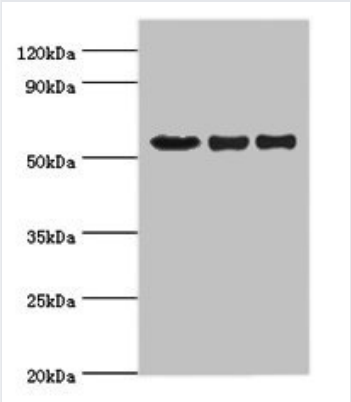
MAVS Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MAVS, Polyclonal Antibody
Full Product Name	MAVS Antibody
Product Gene Name	anti-MAVS antibody
Product Synonym Names	MAVS; CARD adapter inducing interferon beta; Cardif; Interferon beta promoter stimulator protein 1; IPS-1; Putative NF-kappa-B-activating protein 031N; Virus-induced-signaling adapter; VISA; MAVS; IPS1; KIAA1271; VISA
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	Antigen Affinity Purified
Preparation and Storage	Upon receipt store at -20 degree C or -80 degree C. Avoid repeated freeze.
OMIM	609676
3D Structure	ModBase 3D Structure for Q7Z434
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Mitochondrial antiviral-signaling protein(1-65aa)
Immunogen Species	Homo Sapiens (Human)
Research Area	Signal Transduction
Target Names	MAVS
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-70096 / sc-68926
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MAVS antibody	ELISA (EIA)
Application Notes for anti-MAVS antibody	Recommended dilution: WB:1:500-2000
Related Product Information for anti-MAVS antibody	MBS1499447 is an antibody targeting MAVS. Also known as MAVS Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-MAVS antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-MAVS antibody
Western blotAll lanes: MAVS antibody at 2ug/mlLane 1:mouse heart tissueLane 2:jurkat whole cell lysateLane 3:293T whole cell lysateSecondaryGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 57,16,18,41,15 kDaObserved band size: 57 kDa

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MAVS. It may not necessarily be applicable to this product.

NCBI GI #	330688443
NCBI GeneID	57506
NCBI Accession #	NP_001193420.1
UniProt Primary Accession #	Q7Z434
UniProt Secondary Accession #	Q2HWT5; Q3I0Y2; Q5T7I6; Q86VY7; Q9H1H3; Q9H4Y1; A8K6X0; B2BD33; B2BD34; F5H6C8; M1P2Z0
UniProt Related Accession #	Q7Z434
GenBank Nucleotide #	NM_001206491.1
NCBI Official Full Name	mitochondrial antiviral-signaling protein isoform 2
NCBI Official Synonym Full Names	mitochondrial antiviral signaling protein
NCBI Official Symbol	MAVS
NCBI Official Synonym Symbols	IPS1; VISA; IPS-1; CARDIF
UniProt Protein Name	Mitochondrial antiviral-signaling protein
UniProt Synonym Protein Names	CARD adapter inducing interferon beta; Cardif; Interferon beta promoter stimulator protein 1; IPS-1; Putative NF-kappa-B-activating protein 031N; Virus-induced-signaling adapter; VISA
Protein Family	Mitochondrial antiviral-signaling protein
UniProt Gene Name	MAVS
UniProt Synonym Gene Names	IPS1; KIAA1271; VISA; MAVS; Cardif; IPS-1; VISA
UniProt Entry Name	MAVS_HUMAN
NCBI Protein Information	mitochondrial antiviral-signaling protein
NCBI Summary for MAVS	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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]

UniProt Comments for MAVS	MAVS: Required for innate immune defense against viruses. Acts downstream of DDX58/RIG-I and IFIH1/MDA5, which detect intracellular dsRNA produced during viral replication, to coordinate pathways leading to the activation of NF-kappa-B, IRF3 and IRF7, and to the subsequent induction of antiviral cytokines such as IFN-beta and RANTES (CCL5). May activate the same pathways following detection of extracellular dsRNA by TLR3. May protect cells from apoptosis. Interacts with DDX58/RIG-I, IFIH1/MDA5, TRAF2 and TRAF6. May interact with IRF3, FADD, RIPK1, CHUK and IKBKB. Does not interact with TBK1. Interacts with and is cleaved by HCV and hepatitis GB virus B NS3/4A proteases. Interacts with and is cleaved by HHAV protein 3ABC. Interacts with NLRX1. Interaction with NLRX1 requires the CARD domain. Interacts with PSMA7. Interacts with TRAFD1. Interacts (via C-terminus) with PCBP2 in a complex containing MAVS/IPS1, PCBP2 and ITCH. Interacts with CYLD. Interacts with SRC. Interacts with DHX58/LGP2 and IKBKE. Present in T-cells, monocytes, epithelial cells and hepatocytes. Ubiquitously expressed, with highest levels in heart, skeletal muscle, liver, placenta and peripheral blood leukocytes. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Adaptor/scaffold; Membrane protein, integral Chromosomal Location of Human Ortholog: 20p13 Cellular Component: integral to membrane; mitochondrial membrane; mitochondrial outer membrane; mitochondrion; peroxisomal membrane Molecular Function: CARD domain binding; protein binding; protein kinase binding; signal transducer activity Biological Process: activation of innate immune response; defense response to bacterium; defense response to virus; innate immune response; negative regulation of interferon type I production; negative regulation of viral genome replication; positive regulation of defense response to virus by host; positive regulation of I-kappaB kinase/NF-kappaB cascade; positive regulation of interferon-alpha production; positive regulation of interferon-beta production; positive regulation of interleukin-8 production; positive regulation of protein amino acid phosphorylation; positive regulation of protein import into nucleus, translocation; positive regulation of transcription factor activity; positive regulation of transcription factor import into nucleus; positive regulation of transcription from RNA polymerase II promoter; positive regulation of tumor necrosis factor production; signal transduction; viral reproduction
Research Articles on MAVS	**1.** During Crimean-Congo hemorrhagic fever virus infection, RIG-I mediated a type I interferon response via MAVS.
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