

## Product datasheet for **TA338435**

### MAVS Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB, IF
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-MAVS antibody: synthetic peptide directed towards the N terminal of human VISA. Synthetic peptide located within the following region: ETQAPESPGENSEQALQTLSPRAIPRNPDGPLESSDLAALSPLTSSGH
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	56 kDa
Gene Name:	mitochondrial antiviral signaling protein
Database Link:	<a href="#">NP_065797</a> <a href="#">Entrez Gene 57506 Human</a> <a href="#">Q7Z434</a>



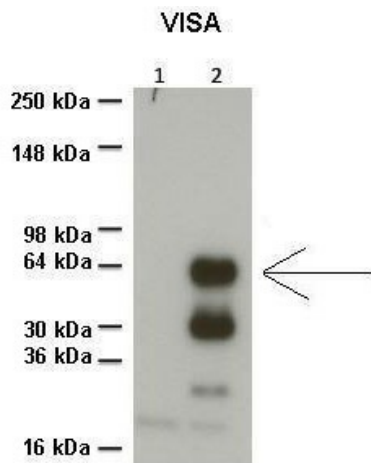
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<b>Background:</b>	<p>Double-stranded RNA viruses are recognized in a cell type-dependent manner by the transmembrane receptor TLR3 or by the cytoplasmic RNA helicases MDA5 and RIGI (ROBO3). These interactions initiate signaling pathways that differ in their initial steps but converge in the activation of the protein kinases IKKA (CHUK) and IKKB (IKBKB), which activate NFkB, or TBK1 and IKKE (IKBKE), which activate IRF3. Activated IRF3 and NFkB induce transcription of IFNB (IFNB1). For the TLR3 pathway, the intermediary molecule before the pathways converge is the cytoplasmic protein TRIF (TICAM1). For RIGI, the intermediary protein is mitochondria-bound VISA. Double-stranded RNA viruses are recognized in a cell type-dependent manner by the transmembrane receptor TLR3 (MIM 603029) or by the cytoplasmic RNA helicases MDA5 (MIM 606951) and RIGI (ROBO3; MIM 608630). These interactions initiate signaling pathways that differ in their initial steps but converge in the activation of the protein kinases IKKA (CHUK; MIM 600664) and IKKB (IKBKB; MIM 603258), which activate NFkB (see MIM 164011), or TBK1 (MIM 604834) and IKKE (IKBKE; MIM 605048), which activate IRF3 (MIM 603734). Activated IRF3 and NFkB induce transcription of IFNB (IFNB1; MIM 147640). For the TLR3 pathway, the intermediary molecule before the pathways converge is the cytoplasmic protein TRIF (TICAM1; MIM 607601). For RIGI, the intermediary protein is mitochondria-bound IPS1 (Sen and Sarkar, 2005 [PubMed 16239922]). [supplied by OMIM]. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p>
<b>Synonyms:</b>	CARDIF; IPS-1; IPS1; VISA
<b>Note:</b>	Immunogen Sequence Homology: Human: 100%; Mouse: 79%; Bovine: 79%
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway

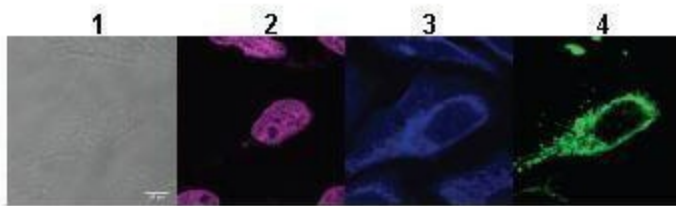
Product images:



WB Suggested Anti-MAVS Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 12500; Positive Control: Transfected 293T



Sample Type: 1: 20ug HEK293T no transfection, 2: 20ug HEK293T 3Flag-MAVS/MAVS. Primary Antibody Dilution: 1: 1000; Secondary Antibody: Anti-rabbit HRP; Secondary Antibody: dilution: 1: 1000; Color/Signal Descriptions: ARP49558-QC17479-WB-image-02; Gene Nam



1: Visible 2: Hoescht 3: Mitochondria 4: VISA

Researcher: Dr. Safia Deddouche, London Research Institute; Application: IHC; Species+tissue/cell type: 293T cells transfected with 3FLAG-VISA; Primary antibody dilution: 1: 500; Secondary antibody: Anti-rabbit-Alexa 488; Secondary antibody dilution: 1: 5