

Datasheet for ABIN2783802  
**anti-MAVS antibody (N-Term)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	100 µL
Target:	MAVS
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAVS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human VISA
Sequence:	ETQAPESPGE NSEQALQTLS PRAIPRNPDG GPLESSSDLA ALSPLTSSGH
Predicted Reactivity:	Cow: 79%, Human: 100%, Mouse: 79%
Characteristics:	This is a rabbit polyclonal antibody against VISA. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	MAVS
Alternative Name:	VISA ( <a href="#">MAVS Products</a> )

# Target Details

Background: 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. Alias Symbols: CARDIF, DKFZp666M015, FLJ27482, FLJ41962, IPS-1, KIAA1271, MAVS, IPS1, VISA

Protein Interaction Partner: MIB2, KCNIP3, DDX58, UBC, TRAF6, TRAF3, UBXN1, TMEM173, SMURF2, HCVgp1, AMFR, MFN1, MFN2, MUL1, TOMM70A, FLOT2, NDFIP1, SMURF1, TBK1, IKBKG, TICAM1, TRAF2, MAP3K7, SRC, IRF7, IRF3, IKBKE, TSPAN6, RARRES3, ECSIT, PCBP2, ITCH, IFIH1, PSMA7, WDR5, HECTD3, PD

Protein Size: 896

Molecular Weight:	56 kDa
Gene ID:	57506
NCBI Accession:	<a href="#">NM_020746</a> , <a href="#">NP_065797</a>
UniProt:	<a href="#">Q2HWT5</a>
Pathways:	<a href="#">Activation of Innate immune Response</a> , <a href="#">Inositol Metabolic Process</a> , <a href="#">Hepatitis C</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 896 AA
Restrictions:	For Research Use only

## Handling

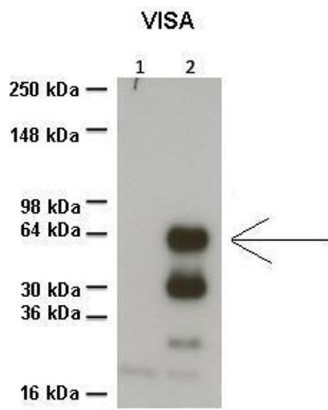
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Western Blotting

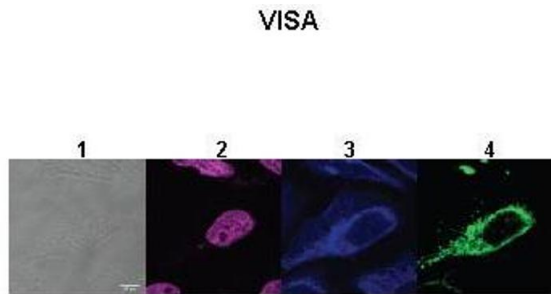
**Image 1.** WB Suggested Anti-VISA Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: Transfected 293T



See Immunoblot 2 Data and customer Feedback for more Information

### Western Blotting

**Image 2.** Sample Type : 1: 20ug HEK293T no transfection, 2: 20ug HEK293T 3Flag-MAVS/VISA Primary Antibody Dilution : 1:1000 Secondary Antibody : Anti-rabbit HRP Secondary Antibody Dilution : 1:1000 Color/Signal Descriptions : ARP49558-QC17479-WB-image-02 Gene Name : VISA Submitted by : Dr. Safia Deddouche Immunobiology Laboratory Cancer Research UK London Research Institute Lincoln's Inn Fields Laboratories 44 Lincoln's Inn Fields London WC2A 3LY UK MAVS is supported by BioGPS gene expression data to be expressed in HEK293T



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

See IHC 1 Data and customer Feedback for more Information

### Immunohistochemistry

**Image 3.** 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:1:500