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Datasheet for ABIN501120  
**anti-MAVS antibody (Middle Region)**

2 Images

Overview

Quantity:	0.1 mg
Target:	MAVS
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAVS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	VISA antibody was raised against a 17 amino acid peptide from near the center of human VISA.
Isotype:	IgG
Specificity:	This antibody detects MAVS at Center.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Affinity chromatography

Target Details

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

## Target Details

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**Background:** Two distinct signaling pathways activate the host innate immunity against viral infection. One pathway is reliant on members of the Toll-like receptor (TLR) family while the other uses the RNA helicase RIG-I as a receptor for intracellular viral double-stranded RNA as a trigger for the immune response. VISA is a mitochondrial membrane protein that was identified as a critical component in the IFN- $\beta$  signaling pathways that recruits IRF-3 to RIG-I, leading to its activation and that of NF- $\kappa$ B. VISA is also thought to interact with other components of the innate immune pathway such as the TLR adapter protein TRIF, TRAF2 and TRAF6. VISA also interacts with the IKK $\alpha$ , IKK $\beta$  and IKK $\epsilon$  kinases through its C-terminal region. Cleavage of this region by the Hepatitis C virus (HCV) protease allows HCV to escape the host immune system. At least three isoforms of VISA are known to exist. Synonyms: CARD adapter inducing interferon-beta, Cardif, IPS1, Mitochondrial antiviral-signaling protein, Mitochondrial antiviral-signaling protein, Putative NF- $\kappa$ B-activating protein 031N, VISA, Virus-induced-signaling adapter, nterferon-beta promoter stimulator protein 1

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**Gene ID:** 57506

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**NCBI Accession:** [NP\\_065797](#)

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**Pathways:** [Activation of Innate immune Response](#), [Inositol Metabolic Process](#), [Hepatitis C](#)

## Application Details

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**Application Notes:** ELISA. Western blot: 0.5 - 1  $\mu$ g/mL. Immunohistochemistry on paraffin sections.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

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**Restrictions:** For Research Use only

## Handling

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**Buffer:** PBS containing 0.02 % sodium azide

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**Preservative:** Sodium azide

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**Precaution of Use:** This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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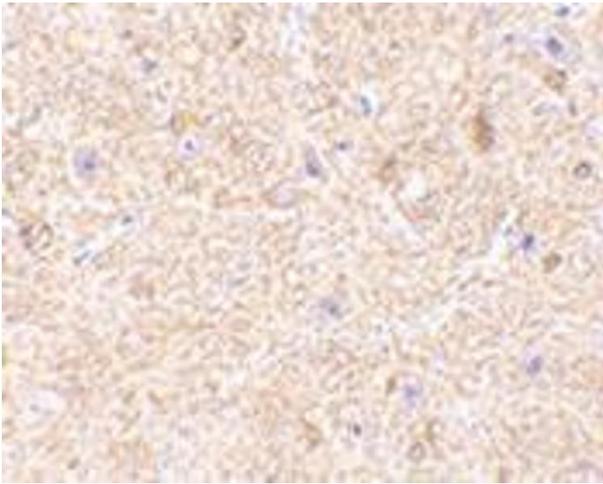
**Handling Advice:** Avoid repeated freezing and thawing.

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**Storage:** 4 °C/-20 °C

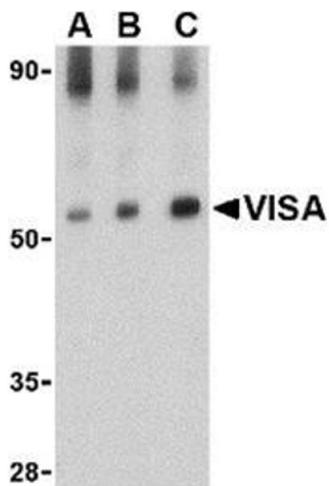
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**Storage Comment:** Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of VISA in mouse brain tissue with this product at 2.5 µg/ml.



### Western Blotting

**Image 2.** Western blot analysis of VISA in rat brain tissue lysate with this product at (A) 0.5, (B) 1 and (C) 2 µg/ml.