

**DATASHEET**

**MAVS Rabbit Polyclonal Antibody**

CAT. NO. APA13545

**KEY FEATURES**

Target	MAVS	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IP	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

**BACKGROUND**

Adapter required for innate immune defense against viruses . Acts downstream of DHX33, RIGI 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 IFNB and RANTES (CCL5) . Peroxisomal and mitochondrial MAVS act sequentially to create an antiviral cellular state . Upon viral infection, peroxisomal MAVS induces the rapid interferon-independent expression of defense factors that provide short-term protection, whereas mitochondrial MAVS activates an interferon-dependent signaling pathway with delayed kinetics, which amplifies and stabilizes the antiviral response .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IP	1:20 - 1:100

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

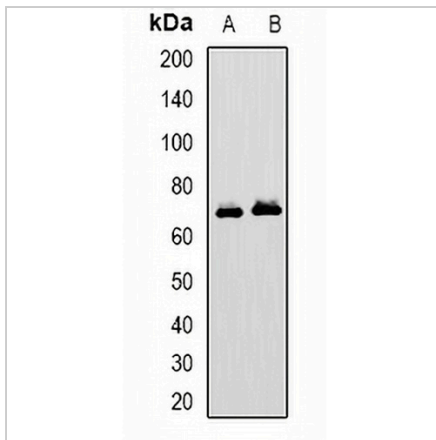
Description	Rabbit polyclonal antibody to MAVS
Specificity	Recognizes endogenous levels of MAVS protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human MAVS
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 14; Observed: 70 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	IPS1; KIAA1271; VISA; Mitochondrial antiviral-signaling protein; 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
Gene Symbol	MAVS
Entrez Gene	57506(Human)
SwissProt	Q7Z434(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arex.bio](mailto:info@arex.bio) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of MAVS expression in HepG2 (A), MCF7 (B) whole cell lysates. (Predicted band size: 14; 15; 17; 40; 56 kD; Observed band size: 70 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.