



MAVS Polyclonal Antibody

Catalog No	YP-Ab-07337
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	MAVS IPS1 KIAA1271 VISA
Immunogen	Synthesized peptide derived from human protein . at AA range: 461-510
Specificity	MAVS Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MAVS;Cardif;IPS 1;IPS1;IPS-1;MAVS 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)
Observed Band	50-55 kDa, 70-75 kDa
Calculated Molecular Weight	57 kDa
Cell Pathway	Mitochondrion outer membrane . Mitochondrion . Peroxisome .
Tissue Specificity	Present in T-cells, monocytes, epithelial cells and hepatocytes (at protein level). Ubiquitously expressed, with highest levels in heart, skeletal muscle, liver, placenta and peripheral blood leukocytes.
Function	domain:Both CARD and transmembrane domains are essential for antiviral function. The CARD domain is responsible for interaction with DDX58 and IFIH1.,function:Required for innate immune defense against viruses. Acts downstream of DDX58 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.,miscellaneous:Cleavage by HCV protease complex leads to inactivation.,similarity:Contains 1 CARD domain.,subunit:Interacts with DDX58, IFIH1, TRAF2 and TRAF6. May interact with IRF3, FADD, RIPK1, IKBKE, CHUK and IKBKB. Does not interact with TBK1. Interacts with and is cleaved by HCV and hepa

Background

mitochondrial antiviral signaling protein(MAVS) Homo sapiens 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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

