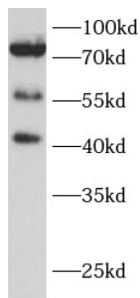
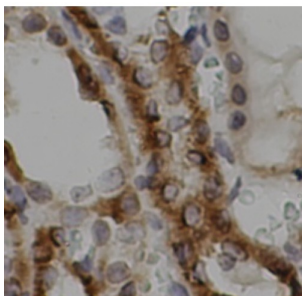


Mitochondrial Antiviral Signaling Protein (MAVS) Antibody

Catalogue No.: abx240064



WB analysis of rat kidney, using MAVS antibody (1/1000 dilution).



IHC-P analysis of mouse brain tissue, using MAVS antibody (1/100 dilution).

Mitochondrial Antiviral Signaling Protein (MAVS) Antibody is a Rabbit Polyclonal antibody for the detection of MAVS.

Required for innate immune defense against viruses. Acts downstream of DDX58/RIG-I 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). 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. May activate the same pathways following detection of extracellular dsRNA by TLR3. May protect cells from apoptosis. It can undergo phosphorylation on multiple sites and ubiquitination, which may together cause the molecular weight to migrate to about 70 kDa despite the predicated 57 kDa.

Target: Mitochondrial Antiviral Signaling Protein (MAVS)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: ELISA, WB, IHC

Host: Rabbit

Recommended dilutions: WB: 1/500 - 1/2000, IHC: 1/50 - 1/500. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Datasheet

Version: 3.0.0
Revision date: 06 Jun 2025



Immunogen:	mitochondrial antiviral signaling protein
Isotype:	IgG
Form:	Liquid
Purity:	≥ 95% (SDS-PAGE)
Purification:	Purified by immunogen affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
Validity:	12 months.
UniProt Primary AC:	Q7Z434 (UniProt , ExPASy)
Gene Symbol:	MAVS
GeneID:	57506
KEGG:	hsa:57506
String:	9606.ENSP00000401980
Molecular Weight:	Observed MW: 40 kDa, 56 kDa, 70 kDa
Buffer:	PBS, pH 7.3, with 0.02% sodium azide and 50% glycerol.
Concentration:	2 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.