

Datasheet for ABIN1169132
anti-MAVS antibody (AA 160-450)**1** Image**3** Publications[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	MAVS
Binding Specificity:	AA 160-450
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MAVS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant human Cardif (aa 160-450).
Clone:	Adri-1
Isotype:	IgG2b
Specificity:	Recognizes human Cardif.
Cross-Reactivity:	Human
Purification:	Purified from concentrated hybridoma tissue culture supernatant.
Purity:	>95 % (SDS-PAGE)

Target Details

Target:	MAVS
Alternative Name:	Cardif (MAVS Products)
Background:	<p>RIG-I (retinoic acid-inducible gene I, Ddx58) and MDA5 (melanoma differentiation-associated gene 5, also known as Ifih1 or Helicard) are proteins that sense viral replication intermediates, such as double-stranded RNA and triggers the host antiviral programs. These molecules signal the downstream activation of NF-kappaB and IFN regulatory factor (IRF) -3, which coordinately regulate the expression of type-I interferons. Cardif (also called VISA/IPS-1/MAVS) is a new CARD (caspase activation and recruitment domain)-containing adaptor protein that interacts with the CARD domain of RIG-I and MDA5, leading to the activation of NF-kappaB and IRF3. Cardif is located to the mitochondrial outer membrane. Removal of the mitochondrial-targeting domain of cardif abolishes its ability to induce IFNs. Cardif is cleaved and inactivated by NS3-4A, a serine protease from hepatitis C virus known to block interferon-beta production.</p>
UniProt:	Q7Z434
Pathways:	Activation of Innate immune Response , Inositol Metabolic Process , Hepatitis C

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

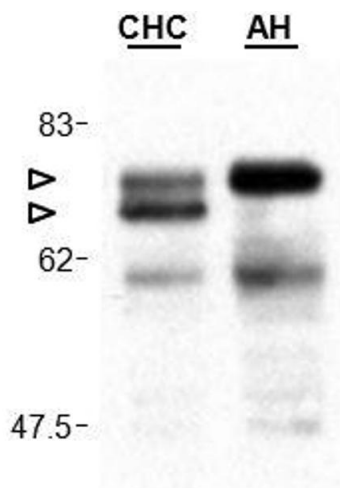
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	In PBS containing 10 % glycerol and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 1 year after receipt when stored at -20°C.
Expiry Date:	12 months

Publications

Product cited in: Kluth, Radke, Kögler: "Increased Haematopoietic Supportive Function of USSC from Umbilical Cord Blood Compared to CB MSC and Possible Role of DLK-1." in: **Stem cells international**, Vol. 2013, pp. 985285, (2013) ([PubMed](#)).

Images



Western Blotting

Image 1. Cardif is cleaved in liver of a patient infected by the hepatitis C virus. Protein extracts of liver biopsies from a patient with chronic hepatitis C (CHC) and as a control from a patient with alcoholic hepatitis (AH) were run on a SDS-gel and revealed with anti-Cardif (human), mAb (Adri-1) . The arrows indicate endogenous human full-length or cleaved Cardif. Picture courtesy of Prof. Darius Moradpour, CHUV, Lausanne.