

Datasheet for ABIN6990715
anti-IFIH1 antibody (AA 330-380)



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Overview

Quantity:	0.1 mg
Target:	IFIH1
Binding Specificity:	AA 330-380
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IFIH1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	MDA5 antibody was raised against a 16 amino acid synthetic peptide from near the center of human MDA5. The immunogen is located within amino acids 330 - 380 of MDA5.
Isotype:	IgG
Purification:	MDA5 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	IFIH1
Alternative Name:	MDA5 (IFIH1 Products)
Background:	MDA5 Antibody: The innate immune system detects viral infection by recognizing various viral components and triggers antiviral responses. Like the toll-like receptor 3 (TLR3), the melanoma

Target Details

differentiation-associated protein 5 (MDA5) recognizes double-stranded (ds) RNA, a molecular pattern associated with viral infection. MDA5, a member of the DEAD/DEAH-box RNA helicase family, consists of an amino-terminal caspase recruitment domain (CARD) and a carboxyl-terminal RNA helicase domain similar to that of the related protein RIG-1. When stimulated by dsRNA, MDA5 recruits the adaptor protein VISA and ultimately causes the activation of IRF-3 and NF- κ B. MDA5 and RIG-1 recognize different types of dsRNA, with MDA5 recognizing poly (I:C). MDA5-null mice were highly susceptible to infection with picornaviruses, which possess such sequences, demonstrating the importance of MDA5 in innate immunity.

Gene ID:	64135
NCBI Accession:	NP_071451
UniProt:	Q9BYX4
Pathways:	Activation of Innate immune Response

Application Details

Application Notes:	MDA5 antibody can be used for detection of MDA5 by Western blot at 1 - 4 μ g/mL. Antibody can also be used for immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	MDA5 Antibody is supplied in PBS containing 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:	-20 °C, 4 °C
Storage Comment:	MDA5 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As

with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.