

Rabbit anti-Human, Mouse MDA5 Polyclonal Antibody | anti-MDA5 antibody

MDA5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301484	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

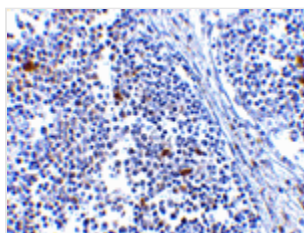
PRODUCT SYNONYMS

MDA5; Polyclonal Antibody; MDA5 Antibody; Melanoma differentiation-associated protein 5; Interferon-induced with helicase C domain protein 1; IFIH1; anti-MDA5 antibody

PRODUCT SPECIFICATIONS

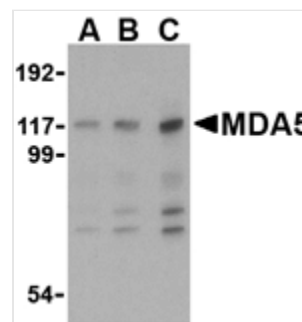
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	1025
Applicable Applications for anti-MDA5 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the center of human MDA5.
Target Name	MDA5
Preparation and Storage	Can be stored at -20 degree C, stable for 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.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of MDA5 in human lymph node tissue with MDA5 antibody at 5 ug/mL.



WB (Western Blot)

Western blot analysis of MDA5 in Daudi cell lysate with MDA5 antibody at (A) 1, (B) 2 and (C) 4 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-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 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-kB. 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.
Product Categories/Family for anti-MDA5 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	27886568
NCBI GeneID	64135
NCBI Accession #	NP_071451
NCBI GenBank Nucleotide #	NM_022168.3
Molecular Weight	25,129 Da
NCBI Official Full Name	interferon-induced helicase C domain-containing protein 1
NCBI Official Synonym Full Names	interferon induced with helicase C domain 1
NCBI Official Symbol	IFIH1
NCBI Official Synonym Symbols	AGS7; Hlcd; MDA5; MDA-5; RLR-2; IDDM19; SGMRT1
NCBI Protein Information	interferon-induced helicase C domain-containing protein 1
UniProt Protein Name	Interferon-induced helicase C domain-containing protein 1
UniProt Gene Name	IFIH1
UniProt Synonym Gene Names	MDA5; RH116; CADM-140 autoantigen; Helicard; MDA-5; RLR-2
UniProt Entry Name	IFIH1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mda5-antibody-immunohistochemistry-western-blot-elisa/301484>