

Rabbit anti-Human IFIH1/MDA5 Polyclonal Antibody | anti-IFIH1 antibody

IFIH1/MDA5 Rabbit anti-Human Polyclonal Antibody

CATALOG # AAA163015	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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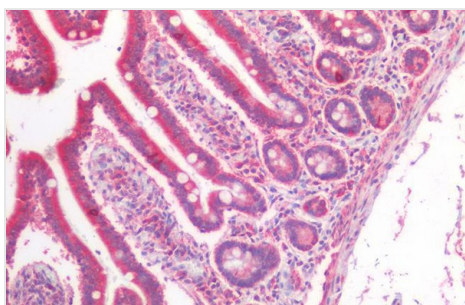
PRODUCT SYNONYMS

IFIH1/MDA5; Polyclonal Antibody; IFIH1/MDA5 Rabbit anti-Human Polyclonal Antibody; PathPlus IFIH1/MDA5 Antibody; IFIH1; Helicase with 2 CARD domains; MDA-5; MDA5; Helicard; IDDM19; RLR-2; RH116; CADM-140 autoantigen; Hlcd; RIG-I-like receptor 2; anti-IFIH1 antibody

PRODUCT SPECIFICATIONS

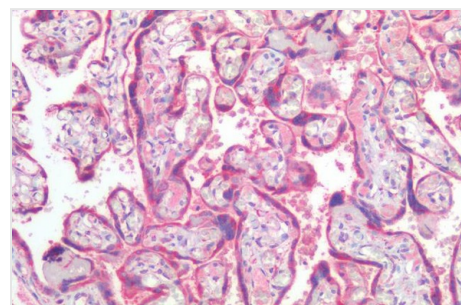
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.1% Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-IFIH1 antibody	IHC (Immunohistochemistry)
Target	Human IFIH1/MDA5
Immunogen	LP-10978, synthetic peptide
Conjugation	Unconjugated
Family	DEAD box protein
Preparation and Storage	Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze-thaw cycles.

IMAGES



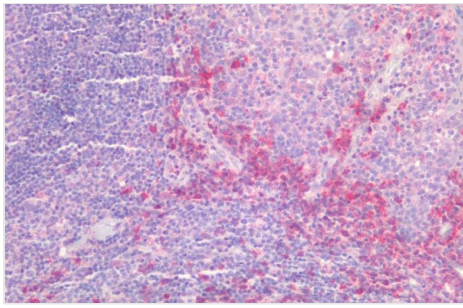
IHC (Immunohistochemistry)

IFIH1/MDA5 Antibody-Human Small Intestine: Formalin-Fixed, Paraffin-Embedded (FFPE)

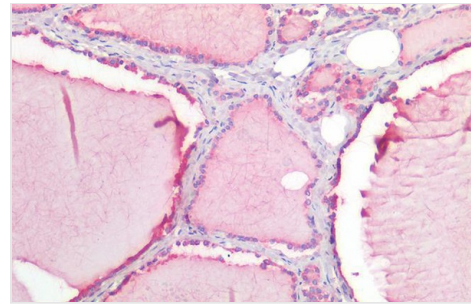


IHC (Immunohistochemistry)

IFIH1/MDA5 Antibody-Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
IFIH1/MDA5 Antibody-Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
IFIH1/MDA5 Antibody-Human Thyroid: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-IFIH1 antibody	MDA5 antibody is an unconjugated rabbit polyclonal antibody to MDA5 (IFIH1) from human. Validated for IHC. IFIH1 (Interferon-induced helicase C domain-containing protein 1) is an innate immune receptor that acts as a cytoplasmic sensor of viral nucleic acids and plays a major role in sensing viral infection and in the activation of a cascade of antiviral responses including the induction of type I interferons and proinflammatory cytokines. It is responsible for detecting the Picornaviridae family members such as encephalomyocarditis virus (EMCV) and mengo encephalomyocarditis virus (ENMG), and it can also detect other viruses such as dengue virus (DENV), west Nile virus (WNV), and reovirus. It is further involved in antiviral signaling in response to viruses containing a dsDNA genome, such as vaccinia virus. IFIH1 plays an important role in amplifying innate immune signaling through recognition of RNA metabolites that are produced during virus infection by ribonuclease L (RNase L). It may play an important role in enhancing natural killer cell function and may be involved in growth inhibition and apoptosis in several tumor cell lines. In immunohistochemistry, IFIH1 has cytoplasmic and nuclear positivity in most tissues throughout the body (nuclear localization is thought to occur during apoptosis).
References	The UniProt Consortium. Nucleic Acids Res. 47: D506-515 (2019); Nucleic Acids Res. 2016 Jan 4;44(D1):D733-45, PMID:26553804;

NCBI AND UNIPROT INFORMATION

NCBI GI #	27886568
NCBI GeneID	64135
NCBI Accession #	NP_071451.2
NCBI GenBank Nucleotide #	NM_022168
UniProt Accession #	Q9BYX4 ; Q2NKL6 ; Q6DC96 ; Q86X56 ; Q96MX8 ; Q9H3G6
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	HLcd; MDA5; MDA-5; RLR-2; IDDM19
NCBI Protein Information	interferon-induced helicase C domain-containing protein 1; helicard; CADM-140 autoantigen; RIG-I-like receptor 2; helicase with 2 CARD domains; RNA helicase-DEAD box protein 116; murabutide down-regulated protein; DEAD/H (Asp-Glu-Ala-Asp/His) box polypept
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/ifih1-mda5-antibody-immunohistochemistry-elisa/163015>