



# Anti-IFIH1 monoclonal antibody, clone FQS7854 (DCABH-1841)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit monoclonal to MDA5
<b>Antigen Description</b>	RNA helicase that, through its ATP-dependent unwinding of RNA, may function to promote message degradation by specific RNases. Seems to have growth suppressive properties. Involved in innate immune defense against viruses. Upon interaction with intracellular dsRNA produced during viral replication, triggers a transduction cascade involving MAVS/IPS1, which results in the activation of NF-kappa-B, IRF3 and IRF7 and the induction of the expression of antiviral cytokines such as IFN-beta and RANTES (CCL5). ATPase activity is specifically induced by dsRNA. Essential for the production of interferons in response to picornaviruses.
<b>Immunogen</b>	Synthetic peptide corresponding to a region within Human MDA5. (Q9BYX4)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	FQS7854
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF
<b>Positive Control</b>	THP1 treated with LPS cell lysate.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	pH: 7.20; Preservative: 0.01% Sodium azide; Constituents: 49% PBS, 50% Glycerol, 0.05%

BSA

**Storage**

Store at -20°C. Stable for 12 months at -20°C

## GENE INFORMATION

Gene Name	<a href="#">IFIH1 interferon induced with helicase C domain 1 [ Homo sapiens ]</a>
Official Symbol	IFIH1
Synonyms	IFIH1; interferon induced with helicase C domain 1; interferon-induced helicase C domain-containing protein 1; helicard; Hlcd; IDDM19; MDA 5; MDA5; CADM-140 autoantigen; helicase with 2 CARD domains; RNA helicase-DEAD box protein 116; murabutide down-regu
Entrez Gene ID	<a href="#">64135</a>
Protein Refseq	<a href="#">NP_071451</a>
UniProt ID	<a href="#">Q9BYX4</a>
Chromosome Location	2q24.2
Pathway	Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; Immune System, organism-specific biosystem; Influenza A, organism-specific biosystem; Influenza A, conserved biosystem; Innate Immune System, organism-specific biosystem; Measles, organism-specific biosystem;
Function	ATP binding; DNA binding; double-stranded RNA binding; helicase activity; hydrolase activity, acting on acid anhydrides; metal ion binding; nucleotide binding; protein binding; ribonucleoprotein complex binding; zinc ion binding;