



## MDA5 Monoclonal Antibody

Catalog No	BYmab-01860
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	IFIH1
Protein Name	Interferon-induced helicase C domain-containing protein 1
Immunogen	The antiserum was produced against synthesized peptide derived from human IFIH1. AA range:976-1025
Specificity	MDA5 Monoclonal Antibody detects endogenous levels of MDA5 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Purity Storage Stability	≥90% -20°C/1 year
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Storage Stability	-20°C/1 year  IFIH1; MDA5; RH116; Interferon-induced helicase C domain-containing protein 1; Clinically amyopathic dermatomyositis autoantigen 140 kDa; CADM-140 autoantigen; Helicase with 2 CARD domains; Helicard; Interferon-induced with
Storage Stability Synonyms	-20°C/1 year  IFIH1; MDA5; RH116; Interferon-induced helicase C domain-containing protein 1; Clinically amyopathic dermatomyositis autoantigen 140 kDa; CADM-140 autoantigen; Helicase with 2 CARD domains; Helicard; Interferon-induced with helicase C domai
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Storage Stability Synonyms  Observed Band Cell Pathway	-20°C/1 year  IFIH1; MDA5; RH116; Interferon-induced helicase C domain-containing protein 1; Clinically amyopathic dermatomyositis autoantigen 140 kDa; CADM-140 autoantigen; Helicase with 2 CARD domains; Helicard; Interferon-induced with helicase C domai  120kD  Cytoplasm . Nucleus . Mitochondrion . Upon viral RNA stimulation and ISGylation, translocates from cytosol to mitochondrion. May be found in the nucleus, during apoptosis.  Widely expressed, at a low level. Expression is detected at slightly highest levels in placenta, pancreas and spleen and at barely levels in detectable brain, testis

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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, induction By IEN-beta and TNF-alpha, miscellaneous In HIV-1

infected HeLa-CD4 cells, overexpression of IFIH1 results in a great increase in t

**Background** 

DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein that is upregulated in response to treatment with beta-interferon and a protein kinase C-activating compound, mezerein. Irreversible reprogramming of melanomas can be achieved by treatment with both these agents; treatment with either agent alone only achieves reversible differentiation. Genetic variation in this gene is associated with diabetes mellitus insulin-depend

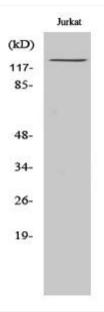
matters needing attention

Avoid repeated freezing and thawing!

**Usage suggestions** 

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**



Western Blot analysis of various cells using MDA5 Monoclonal Antibody

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