ARG63323
anti-IFIH1 / MDA5 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes IFIH1 / MDA5
Tested Reactivity	Hu, Mk
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	IFIH1 / MDA5
Species	Human
Immunogen	SNGYSTDENFRYL-C
Conjugation	Un-conjugated
Alternate Names	Interferon-induced helicase C domain-containing protein 1; Murabutide down-regulated protein; SGMRT1; EC 3.6.4.13; RIG-I-like receptor 2; MDA5; Clinically amyopathic dermatomyositis autoantigen 140 kDa; AGS7; MDA-5; CADM-140 autoantigen; Melanoma differentiation-associated protein 5; IDDM19; Interferon-induced with helicase C domain protein 1; RNA helicase-DEAD box protein 116; Helicard; RLR-2; Hlcd; Helicase with 2 CARD domains

Application Instructions

Application table

Application	Dilution
IHC-P	10 µg/ml
WB	Assay - dependent

Application Note

IHC-P: Antigen Retrieval: Microwaved tissue section in Tris/EDTA buffer (pH 9.0).
WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

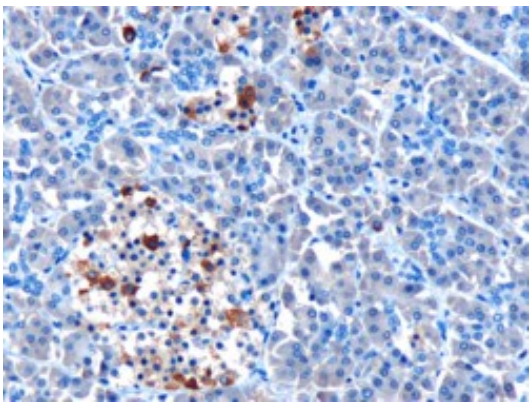
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

	freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 64135 Human Swiss-port # Q9BYX4 Human
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-dependent type 19. [provided by RefSeq, Jul 2012]
Highlight	Related products: IFIH1 antibodies; Anti-Goat IgG secondary antibodies; Related news: Exploring Antiviral Immune Response
Research Area	Gene Regulation antibody; Immune System antibody; Microbiology and Infectious Disease antibody
Calculated Mw	117 kDa
PTM	Sumoylated. Sumoylation positively regulates its role in type I interferon induction and is enhanced by PIAS2-beta. Ubiquitinated by RNF125, leading to its degradation by the proteasome (PubMed:17460044). USP17/UPS17L2-dependent deubiquitination positively regulates the receptor (PubMed:20368735). During apoptosis, processed into 3 cleavage products. The helicase-containing fragment, once liberated from the CARD domains, translocate from the cytoplasm to the nucleus. The processed protein significantly sensitizes cells to DNA degradation.

Images



ARG63323 anti-IFIH1 / MDA5 antibody IHC-P image

Immunohistochemistry: Paraffin embedded Human Pancreas. (Microwaved antigen retrieval with Tris/EDTA buffer pH9) stained with ARG63323 anti-IFIH1 / MDA5 antibody at 10 µg/ml dilution followed by HRP-staining.