

Datasheet: AHP2065

Description:	GOAT ANTI HUMAN IFIH1 (N-TERMINAL)
Specificity:	IFIH1 (N-TERMINAL)
Other names:	MDA5
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin (1)	■			10ug/ml
ELISA	■			1/32000
Immunoprecipitation			■	
Western Blotting			■	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Tris/EDTA buffer pH 9.0 is recommended for this purpose.

Target Species	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to human IFIH1 (NT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Buffer Solution	TRIS buffered saline
Preservative	0.02% Sodium Azide (NaN ₃)
Stabilisers	0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5mg/ml
Immunogen	Synthetic peptide sequence SNGYSTDENFRYL-C from the N-Terminal region of IFIH1 (NP_071451.2).

**External Database
Links**

UniProt:

[Q9BYX4](#)

[Related reagents](#)

Entrez Gene:

[64135](#)

IFIH1

[Related reagents](#)

Synonyms

MDA5, RH116

Specificity

Goat anti Human IFI1 antibody recognizes human Interferon-induced helicase C domain-containing protein 1, also known as IFIH1, Clinically amyopathic dermatomyositis autoantigen 140 kDa, CADM-140 autoantigen, Helicase with 2 CARD domains, Helicard, Interferon-induced with helicase C domain protein 1, Melanoma differentiation-associated protein 5, MDA-5, Murabutide down-regulated protein, RIG-I-like receptor 2, RLR-2 or RNA helicase-DEAD box protein 116. Variations in the IFIH1 gene affect susceptibility to Insulin dependent diabetes mellitus 19 ([IDDM19](#)), a multifactorial disorder of glucose homeostasis with a susceptibility to ketoacidosis ([Smyth et al. 2006](#)). Mutations in the IFIH1 gene can lead to the development of Aicardi-Goutieres syndrome 7 ([AGS7](#)) a disease characterised by cerebral atrophy, leukoencephalopathy, intracranial calcifications, chronic cerebrospinal fluid (CSF) lymphocytosis, increased CSF alpha-interferon, and negative serologic investigations for common prenatal infection ([Oda et al. 2014](#)). Mutations in the IFIH1 gene may also lead to the development of Singleton-Merten syndrome 1 ([SGMRT1](#)), a disease featuring aortic calcification, dental abnormalities, osteopenia and acro-osteolysis ([Rutsch et al. 2015](#)).

**Histology Positive
Control Tissue**

Human pancreas

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10058 available at:
10058: <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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