

Datasheet: AHP2065

BATCH NUMBER 160316

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
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Product Form	Purified IgG - liquid
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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
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Preservative	0.02% Sodium Azide (NaN ₃)
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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	<p>UniProt: Q9BYX4 Related reagents</p> <p>Entrez Gene: 64135 IFIH1 Related reagents</p>
Synonyms	MDA5, RH116
RRID	AB_2121927
Specificity	<p>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.</p> <p>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).</p>
Histology Positive Control Tissue	Human pancreas
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10058 available at: https://www.bio-rad-antibodies.com/SDS/AHP2065 10058</p>

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 \(BUF025A\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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