

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
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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	<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>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 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 \(BUF025A\)](#)

[100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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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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