

Rabbit IFIH1 Polyclonal Antibody | anti-IFIH1 antibody

IFIH1 antibody - middle region

CATALOG # AAA198080	HOST Rabbit	REACTIVITY Cow, Horse, Human, Mouse, Pig, Rat	APPLICATIONS Western Blot, Immunohistochemistry
-------------------------------	-----------------------	---	---

PRODUCT SYNONYMS

IFIH1; Polyclonal Antibody; IFIH1 antibody - middle region; anti-IFIH1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Horse, Human, Mouse, Pig, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following sequence: QI NDTIRMIDAY THLETIFYNEE KDKKFAVIED DSDEGGDDEY CDGDEDED
Sequence Length	1025
Applicable Applications for anti-IFIH1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 85%; Horse: 85%; Human: 100%; Mouse: 77%; Pig: 77%; Rat: 82%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human IFIH1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

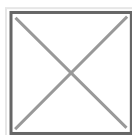
IMAGES



WB (Western Blot)

WB Suggested Anti-IFIH1 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: Human Muscle


WB (Western Blot)

Lanes: 1: 20ug HEK293T no transfection, 2: 20ug HEK293T 3DYKDDDDK-MDA5/IFIH1
Primary Antibody Dilution: 1:1000
Secondary Antibody: Anti-rabbit HRP
Secondary Antibody Dilution: 1:1000
Gene Name: IFIH1
Submitted by: Dr. Safia Deddouche, London Research Institute
IFIH1 is supported by BioGPS gene expression data to be expressed in HEK293T


IHC (Immunohistochemistry)

IHC Information: Paraffin embedded spleen tissue, tested with an antibody Dilution of 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-IFIH1 antibody	This is a rabbit polyclonal antibody against IFIH1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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. IFIH1 is a DEAD box protein that is upregulated in response to treatment with beta-interferon (IFNB) and a protein kinase C-activating compound, mezerein (MEZ). Irreversible reprogramming of melanomas can be achieved by treatment with both these agents; treatment with either agent alone only achieves reversible differentiation. 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 (IFNB) and a protein kinase C-activating compound, mezerein (MEZ). Irreversible reprogramming of melanomas can be achieved by treatment with both these agents; treatment with either agent alone only achieves reversible differentiation. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-IFIH1 antibody	Polyclonal ; Transcription Factor ; Signal Proteins ; Chromatin & Nuclear Signaling ; Immunology ; Disease Related ; DNA/RNA/Protein Interactions ; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	27886568
NCBI GeneID	64135
NCBI Accession #	NP_071451
NCBI GenBank Nucleotide #	NM_022168
UniProt Accession #	Q9BYX4
Molecular Weight	117kDa
NCBI Official Full Name	interferon-induced helicase C domain-containing protein 1
NCBI Official Synonym Full Names	interferon induced with helicase C domain 1
NCBI Official Symbol	IFIH1
NCBI Official Synonym Symbols	AGS7; Hlcd; MDA5; MDA-5; RLR-2; IDDM19; SGMRT1
NCBI Protein Information	interferon-induced helicase C domain-containing protein 1
UniProt Protein Name	Interferon-induced helicase C domain-containing protein 1
UniProt Gene Name	IFIH1
UniProt Synonym Gene Names	MDA5; RH116; CADM-140 autoantigen; Helicard; MDA-5; RLR-2
UniProt Entry Name	IFIH1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.